

== BULLETIN OF ==  
**MOREHEAD**  
**STATE COLLEGE**  
== MOREHEAD, KENTUCKY ==



**GENERAL  
CATALOG  
1957-59**

**BULLETIN**  
**OF**  
**Morehead State College**  
**MOREHEAD, KENTUCKY**

**GENERAL CATALOG**

**1957-58**

**1958-59**

**MEMBER**

**Kentucky Association of Colleges, Elementary, and Secondary  
Schools**

**Southern Association of Colleges and Secondary Schools**

**American Association of Colleges for Teacher Education**

**American Council on Education**

**National Council for Accreditation of Teacher Education**

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## *College Calendar, 1957-58*

### FIRST SEMESTER

September 16	Monday	Freshman orientation begins. (All freshmen are expected to report at the College Auditorium at 9:00 A.M.)
September 18	Wednesday	Registration of Freshmen students.
September 19	Thursday	Registration of upperclassmen.
September 20	Friday	Classes begin.
September 23	Monday	Last day to register for full load.
September 26	Thursday	Last day to register for credit.
October 14	Monday	Students who drop courses after this date will automatically receive marks of "E" in the courses dropped.
October 21	Monday	Freshman grade reports to Registrar.
November 14	Thursday	EKEA holiday begins at 12:35 P.M.
November 18	Monday	Class work resumed at 7:45 A.M.
November 18	Monday	Mid-term reports to the Registrar.
November 27	Wednesday	Thanksgiving holiday begins at 12:35 P.M.
December 2	Monday	Class work resumed at 7:45 A.M.
December 18	Wednesday	Christmas holiday begins at 5:00 P.M.
January 2	Thursday	Class work resumed at 7:45 A.M.
January 27	Monday	Final examinations begin.
January 30	Thursday	First semester closes at 5:00 P.M.
January 31	Friday	Grades to the Registrar by 12:00 M.

### SECOND SEMESTER

February 3	Monday	Registration of Freshmen students.
February 4	Tuesday	Registration of upperclassmen.
February 5	Wednesday	Classes begin.
February 6	Thursday	Last day to register for full load.
February 11	Tuesday	Last day to register for credit.
March 3	Monday	Students who drop courses after this date will automatically receive marks of "E" in the courses dropped.



## MOREHEAD STATE COLLEGE

April 7	Monday	Mid-term reports to the Registrar.
April 9	Wednesday	Spring vacation begins at 12:35 P.M.
April 14	Monday	Class work resumed at 7:45 A.M.
June 1	Sunday	Baccalaureate sermon.
June 2	Monday	Final examinations begin.
June 4	Wednesday	Commencement exercises.
June 5	Thursday	Second semester closes at 5:00 P.M.
June 6	Friday	Grades to the Registrar by 12:00 M.

## SUMMER TERM—1958

June 16	Monday	Registration of all students.
June 17	Tuesday	Classes begin. Last day to register for full load.
June 19	Thursday	Last day to register for credit.
August 8	Friday	Summer term closes at 5:00 P.M.

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*College Calendar, 1958-59*

## FIRST SEMESTER

September 15	Monday	Freshman orientation begins. (All freshmen are expected to report at the College Auditorium at 9:00 A.M.)
September 17	Wednesday	Registration of Freshmen.
September 18	Thursday	Registration of upperclass students.
September 19	Friday	Classes begin.
September 22	Monday	Last day to register for full load.
September 25	Thursday	Last day to register for credit.
October 13	Monday	Students who drop courses after this date will automatically receive marks of "E" in the courses dropped.
October 20	Monday	Freshman grade reports to Registrar.
November 6	Thursday	EKEA holiday begins at 12:35 P.M.
November 10	Monday	Class work resumed at 7:45 A.M.
November 24	Monday	Mid-term reports to the Registrar.
November 26	Wednesday	Thanksgiving holiday begins at 12:35 P.M.

December 1	Monday	Class work resumed at 7:45 A.M.
December 19	Friday	Christmas holiday begins at 5:00 P.M.
January 5	Monday	Class work resumed at 7:45 A.M.
January 26	Monday	Final examinations begin.
January 29	Thursday	First semester closes at 5:00 P.M.
January 30	Friday	Grades to the Registrar by 12:00 M.

## SECOND SEMESTER

February 2	Monday	Registration of Freshmen students.
February 3	Tuesday	Registration of upperclassmen.
February 4	Wednesday	Classes begin.
February 5	Thursday	Last day to register for full load.
February 10	Tuesday	Last day to register for credit.
March 2	Monday	Students who drop courses after this date will automatically receive marks of "E" in the courses dropped.
April 6	Monday	Mid-term reports to the Registrar.
April 8	Wednesday	Spring vacation begins at 12:35 P.M.
April 13	Monday	Class work resumed at 7:45 A.M.
May 31	Sunday	Baccalaureate sermon.
June 1	Monday	Final examinations begin.
June 3	Wednesday	Commencement exercises.
June 4	Thursday	Second semester closes at 5:00 P.M.
June 5	Friday	Grades to the Registrar by 12:00 M.

## SUMMER TERM—1959

June 15	Monday	Registration of all students.
June 16	Tuesday	Classes begin.
		Last day to register for full load.
June 18	Thursday	Last day to register for credit.
August 7	Friday	Summer term closes at 5:00 P.M.

***Board of Regents***

ROBERT R. MARTIN .....	Frankfort, Kentucky State Superintendent of Public Instruction, ex officio chairman
W. H. CARTMELL .....	Maysville, Kentucky
ELWOOD ESHAM .....	Vanceburg, Kentucky
W. L. GEARHART .....	Grayson, Kentucky
PAUL HALL .....	Paintsville, Kentucky

**OFFICERS OF THE BOARD**

ROBERT R. MARTIN .....	Chairman
ELWOOD ESHAM .....	Vice-Chairman
W. L. GEARHART .....	Secretary
W. H. CARTMELL, Representative of the Board of Regents on the Council on Public Higher Education	

***Administrative Staff***

ADRON DORAN .....	President
WARREN C. LAPPIN .....	Dean of Instruction
ROGER L. WILSON .....	Dean of Students
WILLIAM M. CAUDILL .....	Director of Extension
MONROE WICKER .....	Director of Training School
RAY HORNBACK .....	Director of Publicity and Publications

**BUSINESS OFFICE**

HERBERT H. HOGAN .....	Business Manager
ROBERT W. STOKES .....	Assistant Business Manager
MAGGIE TAYLOR .....	Cashier
MYRLEEN FAIRCHILD .....	Order Writer
PATRICIA CLEVINGER .....	Machine Operator
MARY COX .....	Inventory Clerk
W. H. RICE .....	Superintendent of Buildings and Grounds
JOHN COLLIS .....	Bookstore Manager
KATE B. HILL .....	Fields Hall
ALLEN G. ROBERTSON .....	Allie Young Hall
SILAS M. PREWITT .....	Thompson Hall
J. T. MAYS .....	Men's Hall
JOHN COLLIS .....	College Apartments

**REGISTRAR'S OFFICE**

LINUS A. FAIR .....	Registrar
MARY ELLA WELLS .....	Assistant Registrar
CATHERINE BACH .....	Clerk

**SECRETARIES**

ANNA B. CARTER .....	President's Office
BETTY M. BREEDING .....	Dean's Office
VIRGINIA CAUDILL .....	Business Office
ELIZABETH R. THOMAS .....	Training School
JOYCE EVANS .....	Registrar's Office
ANNA LEE BAYS .....	Extension Office
ANIS ISON .....	Library

## *The Faculty*

- ADRON DORAN, B.S., A.M., Ed.D ..... *President*  
 B.S., Murray State College, 1932  
 A.M., Murray State College, 1948  
 Ed.D., University of Kentucky, 1950  
 Morehead State College since 1954
- PAUL H. ADAMS, A.B., A.M. .... *Instructor in Physical Education,*  
 A.B., Morehead State College, 1946 *Coach of Football*  
 A.M., Morehead State College, 1956  
 Morehead State College since 1956
- JOHN E. ALLEN, JR., A.B., A.M. .... *Instructor in Education, Supervising*  
 A.B., Morehead State College, 1950 *Teacher in Physical Education*  
 A.M., Morehead State College, 1955  
 Morehead State College since 1954
- MARY TUTTLE ANDERSON, B.E., A.M. .... *Instructor in Education, Supervising*  
 B.E., Normal University (Illinois), 1937 *Teacher*  
 A.M., Teachers College, *Fourth Grade*  
 Columbia University, 1944  
 Morehead State College since 1952
- ROSS C. ANDERSON, B.S., A.M. .... *Associate Professor of Commerce,*  
 B.S., Eastern (Ky.) State College, 1933 *Head of*  
 A.M., University of Kentucky, 1938 *Department*  
 Morehead State College since 1938
- CHARLES E. APEL, A.B., B.S., M.S. .... *Associate Professor of Commerce*  
 A.B., Wesley College, 1925  
 B.S., University of North Dakota, 1925  
 M.S., University of North Dakota, 1926  
 Morehead State College since 1948
- GABRIEL C. BANKS, A.B., B.D., A.M. .... *Associate Professor of English*  
 A.B., Transylvania College, 1917  
 B.D., College of the Bible, 1921  
 A.M., Yale University, 1924  
 Morehead State College since 1936
- MARGUERITE BISHOP, B.S., B.S. in Lib. Sci. .... *Assistant Librarian*  
 B.S., Morehead State College, 1935  
 B.S., Columbia University, 1940  
 Morehead State College since 1930

- PATTI BOLIN, A.B., B.S., A.M. ....Associate Professor  
 A.B., Western (Ky.) State College of Home Eco-  
 B.S., Western (Ky.) State College nomics, Head of  
 A.M., University of Kentucky, 1938 Department  
 Morehead State College 1940-1946,  
 and since 1948
- CATHERINE L. BRAUN, B.S. ....Instructor in  
 B.S., George Peabody College, 1926 Geography  
 Morehead State College since 1923
- KATIE LOU BYRD, A.A., B.S., M.B.E. ....Instructor in  
 A.A., Perkinson Jr. College, 1935 Commerce  
 B.S., Mississippi Southern College, 1937  
 M.B.E., University of Mississippi, 1954  
 Morehead State College since 1956
- HENRY AMES CAREY, A.B., A.M., Ph.D. ....Professor of  
 A.B., University of California, 1922 Economics and  
 A.M., University of California, 1925 Sociology, Head  
 Ph.D., Columbia University, 1931 of Department  
 Morehead State College since 1944
- JOHN E. CARTER, JR., B.M., M.M. ....Instructor In Music  
 B.M., Trinity University, 1952  
 M.M., George Peabody College, 1953  
 Morehead State College Since 1956
- BILLIE JO CAUDILL, B.S., M.S. ....Instructor in Edu-  
 B.S., Murray State College cation, Supervis-  
 M.S., University of Kentucky ing Teacher in  
 Morehead State College since 1956 Science
- WILLIAM M. CAUDILL, B.S., M.S. ....Director of  
 B.S., George Peabody College, 1922 Extension  
 M.S., University of Chicago, 1927  
 Morehead State College since 1948
- IONE M. CHAPMAN, A.B., A.M., B.S. in Lib. Sci. ....Assistant Professor  
 A.B., University of Illinois, 1925 of Library  
 A.M., Columbia University, 1928 Science, Librarian  
 B.S., University of Illinois, 1944  
 Morehead State College since 1946

- NELL SUE CHEATHAM, B.S., M.S. .... *Instructor in*  
 B.S., Kentucky Wesleyan, 1949 *Science and*  
 M.S., University of Kentucky, 1951 *Mathematics*  
 Morehead State College since 1955
- NAOMI CLAYPOOL, A.B., A.M. .... *Associate Professor*  
 A.B., University of Kentucky, 1930 *of Art, Head of*  
 A.M., Teachers College, *Department*  
 Columbia University, 1932  
 Morehead State College since 1925
- LAKE CORNETT COOPER, A.B., A.M. .... *Instructor in*  
 A.B., Morehead State College, 1945 *Mathematics*  
 A.M., Morehead State College, 1947  
 Morehead State College since 1956
- WALTER P. COVINGTON, A.B., A.M. .... *Assistant Professor*  
 A.B., University of North Carolina, 1948 *of Speech and*  
 A.M., University of North Carolina, 1949 *Dramatic Art*  
 Morehead State College since 1950
- ALICE EVELYN COX, B.S., A.M. .... *Assistant Professor*  
 B.S., University of Kentucky, 1937 *of Commerce*  
 A.M., University of Kentucky, 1948  
 Morehead State College since 1948
- LORENE SPARKS DAY, A.B., A.M. .... *Instructor in*  
 A.B., Kentucky Wesleyan College, 1929 *Education,*  
 A.M., Teachers College, *Supervising*  
 Columbia University, 1932 *Teacher in Social*  
 Morehead State College since 1930 *Science*
- SAM J. DENNEY, A.B., A.M. .... *Instructor in*  
 A.B., University of Kentucky, 1928 *Education,*  
 A.M., University of Kentucky, 1932 *Supervising*  
 Morehead State College since 1936 *Teacher in*  
*English*
- JOHNSON E. DUNCAN, B.M.E., M.M., Ph.D. .... *Professor of Music,*  
 B.M.E., Northwestern University *Head of*  
 (Illinois), 1941 *Department*  
 M.M., Northwestern University, 1946  
 Ph.D., George Peabody College, 1953  
 Morehead State College since 1956

- THELMA EVANS, A.B., A.M. .... *Assistant Professor*  
 A.B., University of Kentucky, 1930 *of Education,*  
 A.M., University of Kentucky, 1940 *Supervising*  
 Morehead State College since 1943 *Teacher of First*  
*Grade*
- WILHELM EXELBIRT, Ph.D. .... *Professor of History*  
 Ph.D., University of Vienna, 1929  
 Morehead State College since 1948
- LINUS A. FAIR, A.B., A.M. .... *Associate Professor*  
 A.B., Arkansas State Teachers College, 1925 *of Mathematics,*  
 A.M., George Peabody College, 1930 *Registrar*  
 Morehead State College since 1932
- NEVILLE FINCEL, A.B., A.M. .... *Assistant Professor*  
 A.B., University of Kentucky, 1921 *of Economics*  
 A.M., University of Kentucky, 1932  
 Morehead State College since 1930
- NOLAN FOWLER, A.B., A.M., Ph.D. .... *Associate Professor*  
 A.B., Marshall College, 1939 *of History*  
 A.M., University of Kentucky, 1940  
 Ph.D., University of Kentucky, 1955  
 Morehead State College since 1946
- OCTAVIA GRAVES, A.B., A.M. .... *Associate Professor*  
 A.B., Morehead State College, 1938 *of Education*  
 A.M., George Peabody College, 1939  
 Morehead State College since 1946
- HENRY CLAY HAGGAN, B.S., M.S. .... *Professor of*  
 B.S., University of Kentucky, 1918 *Agriculture,*  
 M.S., University of Kentucky, 1934 *Head of*  
 Morehead State College since 1923 *Department*
- ANNE LAM HALE, B.S., A.M. .... *Instructor in*  
 B.S., Western (Ky.) State College, 1929 *Home Economics*  
 A.M., University of Kentucky, 1955  
 Morehead State College since 1955
- MARGARET B. HEASLIP, B.S., M.S., Ph.D. .... *Associate Professor*  
 B.S., Ohio State University, 1947 *of Biology*  
 M.S., Ohio State University, 1948  
 Ph.D., Ohio State University, 1950  
 Morehead State College since 1955



- RAYMOND R. HORNBACK, A.B. .... *Director of*  
 A.B., University of Kentucky, 1956 *Publicity and*  
 Morehead State College since 1956 *Publications,*  
*Instructor in*  
*Journalism*
- KEITH HUFFMAN, A.B., A.M. .... *Associate Professor*  
 A.B., Morehead State College, 1943 *of Music, Orches-*  
 A.M., University of Iowa, 1947 *tra Director*  
 Morehead State College since 1947
- ALICE AVENELLE KAUFFMAN, B.S., M.S. .... *Instructor in Home*  
 B.S., University of Wisconsin, 1927 *Economics*  
 M.S., Iowa State College, 1944  
 Morehead State College since 1957
- ARCH S. LACEFIELD, A.B., A.M. .... *Assistant Professor*  
 A.B., University of Kentucky, 1949 *of Literature*  
 A.M., University of Kentucky, 1950 *and Languages*  
 Morehead State College since 1955
- WARREN C. LAPPIN, A.B., A.M., Ed.D. .... *Professor of*  
 A.B., Transylvania College, 1920 *Education, Dean*  
 A.M., University of Chicago, 1929 *of Instruction*  
 Ed.D., Indiana University, 1941  
 Morehead State College since 1926
- ROBERT G. LAUGHLIN, A.B., A.M. .... *Associate Professor*  
 A.B., Morehead State College, 1937 *of Health and*  
 A.M., University of Kentucky, 1941 *Physical Educa-*  
 Morehead State College since 1935 *tion, Head of*  
*Department*
- JOHN H. LONG, A.B., A.M., Ph.D. .... *Associate Professor*  
 A.B., University of Florida, 1938 *of English*  
 A.M., University of Florida, 1948  
 Ph.D., University of Florida, 1951  
 Morehead State College since 1951
- EDWARD J. LUCKE, B.S., A.M. .... *Assistant Professor*  
 B.S., East Tennessee State College, 1951 *of Physical Edu-*  
 A.M., George Peabody College, 1953 *cation, Assistant*  
 Morehead State College since 1956 *Basketball Coach*

- FRED MARZAN, B.M., M.M. .... Assistant Professor  
 B.M., Eastman School of Music, 1952 of Music  
 M.M., University of Michigan, 1956  
 Morehead State College since 1956
- THEODORE F. MATHIEU, B.S., Ph.D. .... Associate Professor  
 B.S., New York State College of of Agriculture  
 Forestry, 1942 and Science  
 Ph.D., The Ohio State University, 1953  
 Morehead State College since 1956
- JESSE T. MAYS, A.B., A.M. .... Assistant Professor  
 A.B., Union College, 1931 of Industrial Arts,  
 A.M., George Peabody College, 1933 Head of  
 Morehead State College since 1933 Department
- HUBERT J. MCSHEA, A.B., A.M., Ph.D. .... Professor of Educa-  
 A.B., Catholic University, 1938 tion, Director of  
 A.M., Catholic University, 1944 Testing Bureau  
 Ph.D., Catholic University, 1945  
 Morehead State College since 1947
- GUY S. MILES, A.B., A.M., Ph. D. .... Professor of  
 A.B., Cornell University, 1928 English,  
 A.M., Cornell University, 1929 Head of  
 Ph.D., Vanderbilt University, 1940 Division of  
 Morehead State College since 1948 Languages and  
 Literature
- JUANITA MINISH, A.B., A.M. .... Instructor in  
 A.B., Transylvania College, 1919 Education,  
 A.M., George Peabody College, 1930 Supervising  
 Morehead State College since 1930 Teacher of  
 Foreign  
 Languages
- AMY IRENE MOORE, B.S., A.M. .... Instructor in  
 B.S., Kansas State Teachers College, 1917 Education,  
 A.M., University of Chicago, 1925 Supervising  
 Morehead State College since 1932 Teacher of  
 Mathematics
- ETHEL J. MOORE, A.B., A.M. .... Assistant Professor  
 A.B., Western (Ky.) State College, 1932 of Languages and  
 A.M., University of Kentucky, 1954 Literature  
 Morehead State College since 1955

- \*HAZEL NOLLAU, B.S., M.S. ....Assistant Professor  
 B.S., University of Kentucky, 1934 of Education,  
 M.S., University of Kentucky, 1935 Supervising  
 Morehead State College since 1943 Teacher of  
 Science
- MARY P. NORTHCUTT, A.B., A.M. ....Instructor in Educa-  
 A.B., Morehead State College, 1954 tion, Supervising  
 A.M., Morehead State College, 1955 Teacher of Second  
 Morehead State College since 1955 Grade
- PAUL C. OVERSTREET, A.B., M.S. ....Assistant Professor  
 A.B., Asbury College, 1913 of Mathematics  
 M.S., University of Iowa, 1925 and Physics  
 Morehead State College since 1946
- WILLIAM BURR OWSLEY, B.S., A.M., Ph.D. ....Professor of  
 B.S., Western (Ky.) State College, 1931 Biology  
 A.M., Western State College, 1935  
 Ph.D., Ohio State University, 1945  
 Morehead State College since 1950
- TONEY C. PHILLIPS, A.B., A.M. ....Assistant Professor  
 A.B., Athens College, 1937 of Chemistry  
 A.M., George Peabody College, 1950  
 Morehead State College since 1951
- SILAS M. PREWITT, B.S., A.M. ....Instructor in Physi-  
 B.S., Western (Ky.) State College, 1936 cal Education,  
 A.M., Morehead State College, 1956 Assistant Coach  
 Morehead State College since 1953 of Football
- CLIFFORD R. RADER, A.B., A.M., Ph.D. ....Professor of History  
 A.B., Eastern (Ky.) State College, 1934 and Government,  
 A.M., University of Kentucky, 1937 Head of  
 Ph.D., University of Kentucky, 1945 Department  
 Morehead State College since 1947
- VIRGINIA RICE, B.S., M.S. ....Instructor in Edu-  
 B.S., University of Kentucky, 1927 cation, Supervis-  
 M.S., University of Kentucky, 1952 ing Teacher of  
 Morehead State College since 1947 Home Economics
- MARGIE LEE STEWART ROBERTS, B.S., M.S. ....Instructor in Educa-  
 B.S., Morehead State College, 1949 tion, Supervising  
 M.S., The Stout Institute, 1954 Teacher  
 Morehead State College since 1954

\*Leave of absence 1956-57.

- NORMAN N. ROBERTS, B.S., M.S. .... *Instructor in*  
 B.S., Morehead State College, 1950 *Industrial Arts*  
 M.S., The Stout Institute, 1951  
 Morehead State College since 1952
- VIOLET C. SEVERY, B.M., M.M. .... *Instructor in Music*  
 B.M., University of Redlands, 1934  
 M.M., University of Redlands, 1956  
 Morehead State College since 1956
- PAT SHELLEY, A.B., A.M. .... *Assistant Professor*  
 A.B., University of Kentucky, 1946 *of Health and*  
 A.M., Columbia University, 1947 *Physical Edu-*  
 Morehead State College since 1956 *cation*
- ERA MAE SMELLEY, B.S., A.M. .... *Assistant Professor*  
 B.S., Stephen F. Austin State College, 1935 *of Education,*  
 A.M., Stephen F. Austin State College, 1941 *Supervising*  
 Morehead State College since 1948 *Teacher of*  
*Fifth Grade*
- ALBERT F. STEWART, A.B., A.M. .... *Assistant Professor*  
 A.B., Berea College, 1936 *of Languages and*  
 A.M., University of Kentucky, 1953 *Literature*  
 Morehead State College since 1956
- NORMAN TANT, B.S., A.M., Ph.D. .... *Professor of*  
 B.S., State Teachers College *Education,*  
 (Jacksonville, Ala.), 1940 *Director of*  
 A.M., George Peabody College, 1948 *Visual*  
 Ph.D., George Peabody College, 1952 *Education*  
 Morehead State College since 1952
- ZELL S. WALTER, B.S., A.M., Ed.D. .... *Professor of*  
 B.S., Ohio Northern University, 1925 *Education,*  
 A.M., University of Chicago, 1932 *Head of*  
 Ed.D., University of Cincinnati, 1942 *Department*  
 Morehead State College since 1948
- NONA BESS WATSON, A.B., A.M., B.S. in Lib. Sci. .... *Assistant Librarian*  
 A.B., Union University, 1919  
 A.M., Teachers College, Columbia  
 University, 1932  
 B.S., George Peabody College, 1943  
 Morehead State College since 1949
- BLANCHE J. WALTZ, B.S. .... *Instructor in Educa-*  
 B.S., University of Louisville, 1929 *tion, Supervising*  
 Morehead State College since 1953 *Teacher of Sixth*  
*Grade*



## *Committees*

### ADMINISTRATIVE COUNCIL

DORAN, CLAYPOOL, HAGGAN, HOGAN, LAPPIN, PHILLIPS

### CURRICULUM AND INSTRUCTION

LAPPIN, ANDERSON, LACEFIELD, N. ROBERTS, SMELLEY, WOODS  
AND THREE STUDENTS

### LIBRARY

BANKS, CHAPMAN, EXELBIRT, MATHIEU, MINISH, WILKES  
AND THREE STUDENTS

### GRADUATE COUNCIL

LAPPIN, CAREY, TANT, WEST, WILLIAMS

### FACULTY ORGANIZATION

E. MOORE, NORTHCUTT, OWSLEY, RADER, T. YOUNG

### ATHLETICS

FAIR, HOGAN, LAPPIN, LAUGHLIN, MAYS, RICE, WALTER  
AND TWO STUDENTS

### FELLOWSHIPS, SCHOLARSHIPS AND STUDENT AID

WILSON, ADAMS, GRAVES, HUFFMAN, OVERSTREET

### STUDENT WELFARE AND STUDENT LIFE

WILSON, LAPPIN, SHELLEY, WATSON AND FIVE STUDENTS

### INTER-DORMITORY COUNCIL

A. MOORE, COLLIS, COOPER, HILL, MAYS, PREWITT, ROBERTSON,  
WILSON AND FIVE STUDENTS

### SPECIAL ENTERTAINMENTS AND EVENTS

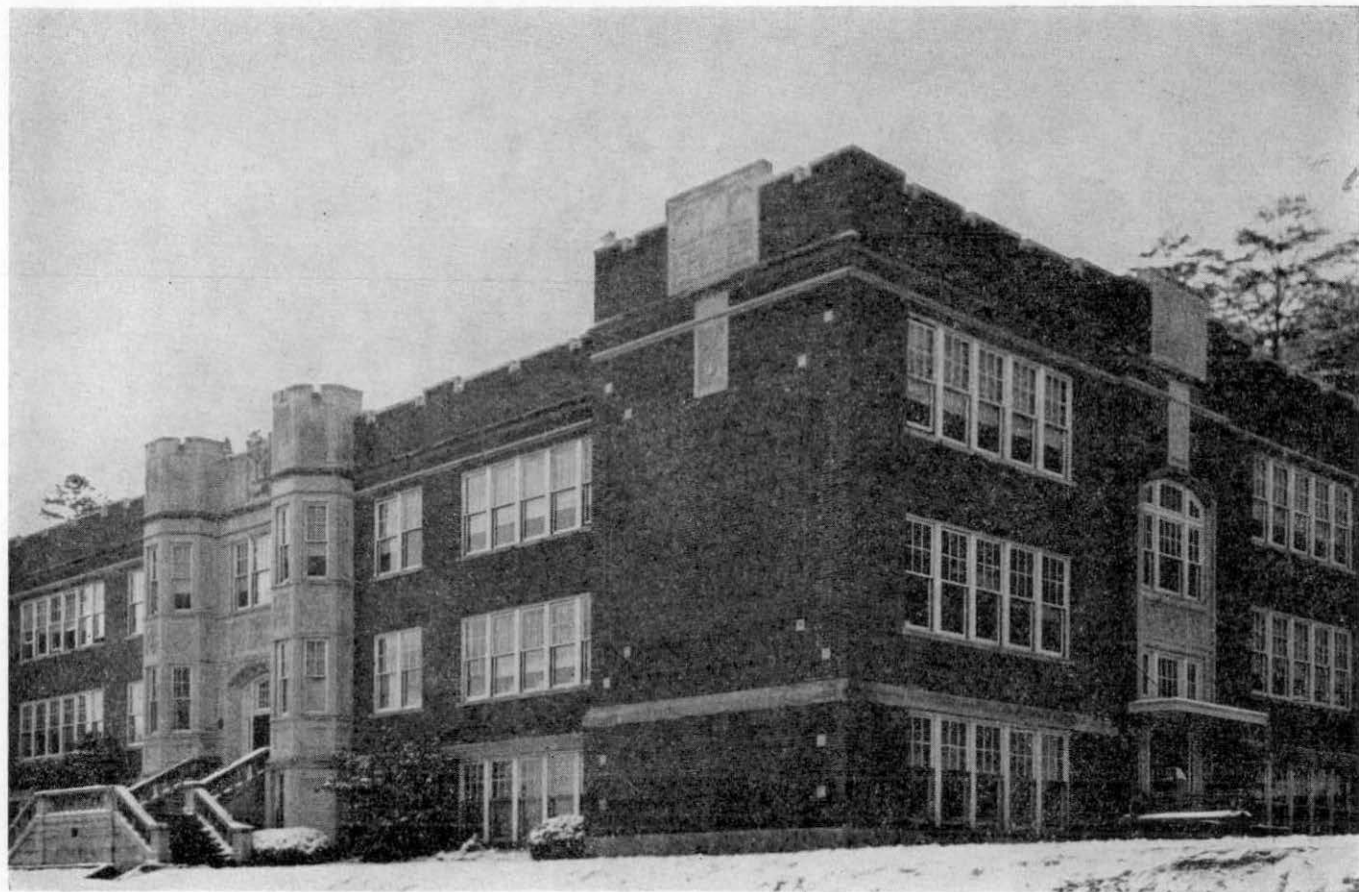
DUNCAN, BISHOP, COVINGTON, FINCEL, HEASLIP AND FOUR STUDENTS

### STUDENT LOANS

FAIR, HOGAN, LAPPIN, WILSON

### GUIDANCE

WILSON, CHEATHAM, COX, HALE, STEWART AND THREE STUDENTS





## ***General Information***

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### **HISTORY**

The Morehead State Normal School was established in 1922 when the General Assembly of Kentucky passed an act providing for the opening of two normal schools, one in eastern Kentucky and the other in western Kentucky. These schools were to be created for the purpose of training elementary teachers. Morehead was selected as the site for one of these institutions.

Since its establishment, the title of the school has been changed three times. In 1926 it became Morehead State Normal School and Teachers College; in 1930, Morehead State Teachers College; and in 1948 Morehead State College. The college has not lost sight of its original function—that of training teachers. However, through the years it has expanded its facilities and offerings until it is now serving as a general regional college.

### **LOCATION**

Morehead State College is located in Morehead, Rowan County, midway between Lexington and Ashland. It is reached by the Chesapeake and Ohio Railroad, United States Highway 60, better known as the Midland Trail, and State Highway 32. It is the most accessible Kentucky institution of higher learning for the people of the Big Sandy and Licking River Valleys, and the Ohio Valley section from Ashland to Cincinnati. It is within easy reach of the people of both the Cumberland and the Kentucky River valleys.

The campus comprises an area of three-hundred and fifty acres. The lawns are terraced and face on a boulevard which traverses the entire length of the campus. This setting is of unsurpassed natural beauty. The healthful climate and the unusually cool summer nights are additional attractions. The campus, as well as the surrounding country, offers much of interest to students, particularly those studying the natural sciences.

### **BUILDINGS**

The buildings of the college, situated on the edge of the mountain slope overlooking the valley of Triplett Creek, present an imposing panorama of architectural beauty. They are of Tudor-Gothic design, the library being the best example of the type, and all conform in general style. The Administration Building occupies the central position in the group. Allie Young Hall, Johnson Camden Library,



Fields Hall, Button Auditorium, Senff Natatorium, Science Hall, Doran Student House, and the President's Home form an arc to the west of the campus, while Thompson Hall, Breckinridge Training School, Baird Music Building, Men's Hall, the Stadium and the Fieldhouse complete the arc toward the east. All of these buildings are of reinforced concrete, red brick and stone, and are fireproof.

### **ADMINISTRATION BUILDING**

This structure, the first of the group to be completed, was ready for occupancy in 1926. In it are located the administrative offices and recitation rooms.

### **DORMITORIES**

Allie Young Hall and Fields Halls are dormitories for women, each with a housing capacity of about one hundred fifty students. These halls are provided with attractive parlors and reception rooms. Student bedrooms are double rooms, comfortable and adequate for the needs of students.

Thompson Hall and Men's Hall will each accommodate approximately one hundred and sixty-five men. Both dormitories are modern throughout and are well equipped and furnished.

### **PRESIDENT'S HOME**

The President's Home is a dignified brick residence, completed in 1930, and stands on a terraced lawn at the southwest corner of the campus, facing the boulevard. The house is equipped and furnished in keeping with the importance and dignity of such a building.

### **BUTTON AUDITORIUM**

Button Auditorium, dedicated to the memory of the first president of the college, is a building which contains the main auditorium of the college and also houses the indoor physical education facilities. The auditorium, main floor and balcony, has a seating capacity of 1,500 and that portion of the building that is used for physical education includes the facilities essential to a modern program in this important field of education.

### **JOHNSON CAMDEN LIBRARY**

Johnson Camden Library, finished in 1930, is a beautiful white stone building situated between Allie Young and Fields Hall. The library has reading rooms and research facilities for 1,500 students, and a book-housing capacity of 100,000 volumes. At present there are approximately 50,000 catalogued books, a complete magazine section, and a large collection of bulletins, pamphlets, and public documents.

### **BRECKINRIDGE TRAINING SCHOOL**

Breckinridge Training School was completed in 1931. It is built and equipped for school work from the kindergarten through senior high school. The first floor is given over to the manual arts laboratories and the boys' and girls' locker rooms. The director's office, auditorium and lower grade rooms occupy the main floor; junior and senior high school homerooms, the second; home economics and science laboratories, library, and gymnasium, the third floor. The arrangement and furnishings of the building are such that student teachers may learn what is desirable in modern school equipment and building plans.

### **JAYNE MEMORIAL STADIUM**

Jayne Memorial Stadium, a concrete structure with a seating capacity of 2,000, was erected on the athletic field at the east end of the campus in the fall of 1930. The space beneath the stadium has been utilized for dressing quarters for home and visiting teams.

### **SENFF NATATORIUM**

Located west of the Auditorium-Gymnasium is Senff Natatorium. The natatorium is constructed of red brick and the stone pediment bears this inscription: "This swimming pool is dedicated to the ideal of a clean and vigorous youth." The building contains a ninety-foot by thirty-foot tile swimming pool, a spectators' gallery the length of the pool on one side, and dressing and shower rooms for the faculty and students on the other side. The pool has underwater lights, and its depth varies from three feet to nine feet. The glass roof is adjustable, thus giving all the advantages of an outdoor pool in summer, while the closed glass intensifies the heat in winter. The water is completely purified and is tested regularly by the State Board of Health.

### **SCIENCE HALL**

Science Hall was completed during the first summer term of 1937. It is a four-story brick structure which houses the following departments: industrial arts, agriculture, geography, mathematics and physics, biology, chemistry, and home economics. These departments are thoroughly equipped with the latest and most modern apparatus.

### **HOME MANAGEMENT HOUSE**

The Home Management House, an attractive modern residence, was purchased by the college in 1933. It serves as a laboratory in homemaking for the students in home economics. All majors in home economics are required to complete a period of residence in this home.

### **POWER PLANT**

The power plant, completed in 1937, furnishes water, power and heat for the college. It assures Morehead one of the best water systems in the state.

### **MACHINE SHOP**

The Machine Shop was first used by classes in 1949. This building is equipped as a general machine shop and affords students an opportunity to gain experience in sheetmetal work as well as to gain facility in the use of machines used in processing the heavier metals.

### **BAIRD MUSIC BUILDING**

Baird Music Building, was first occupied in 1953 and the following year was dedicated to the memory of William Jesse Baird who died while serving as the fifth president of the college. This building contains offices, classrooms, practice and ensemble rooms, and a large rehearsal hall which is also used for recitals and concerts. Constructed in keeping with the most recent thinking concerning buildings of this type, facilities are provided for carrying on a complete program in this field of growing interest.

### **FIELDHOUSE**

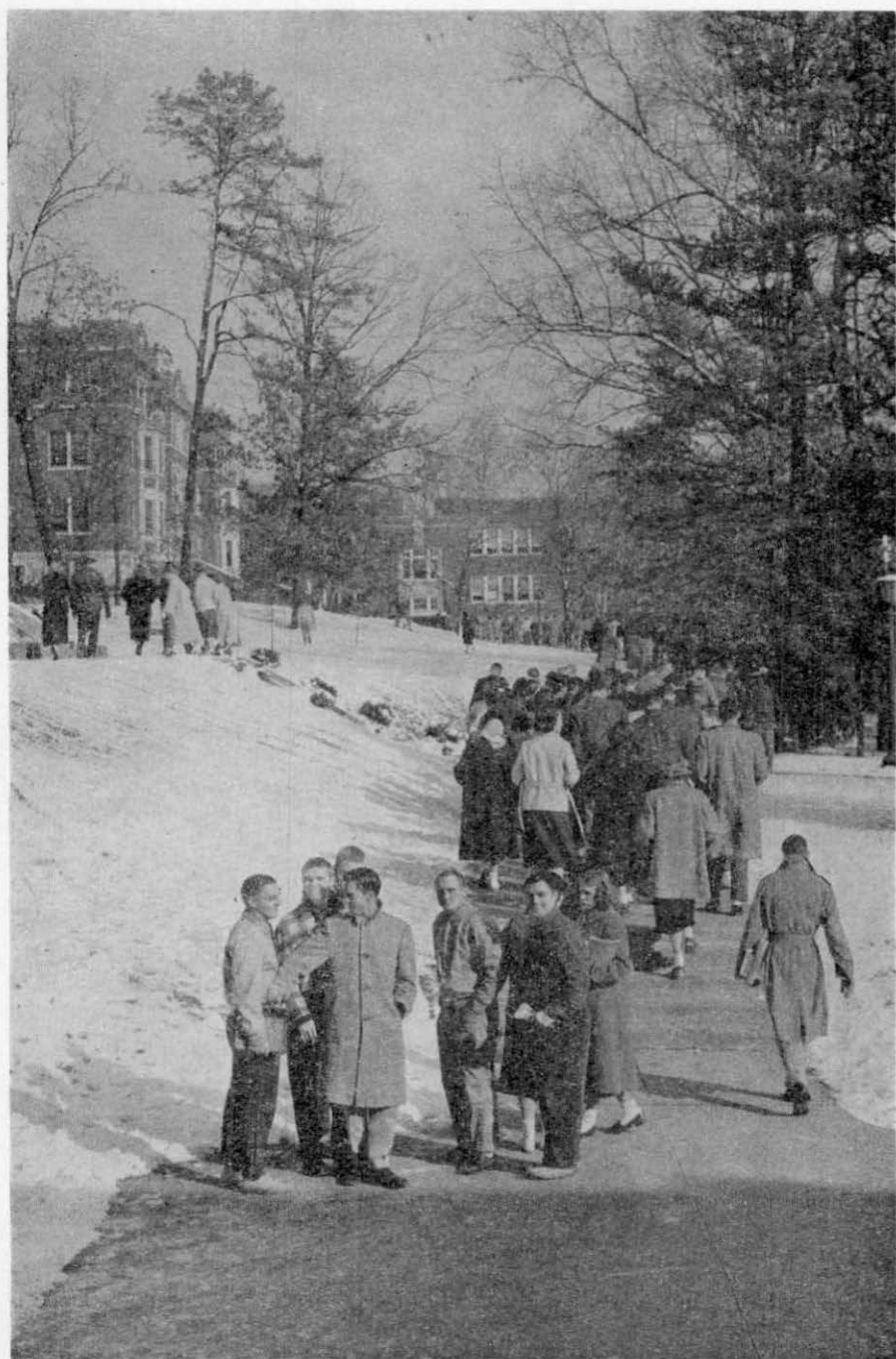
The first basketball game was played in the Fieldhouse in December, 1956. This building which has a spectator seating capacity of 5,000 contains all of the features considered to be desirable in a building of this type. This addition to the physical plant gives Morehead basketball facilities that are modern in every respect.

### **DORAN STUDENT HOUSE**

This building serves as the student-center on the campus. Completed in 1957, it contains the cafeteria, grill, bookstore, post office, club rooms, and facilities for both student and faculty recreation.

### **RESERVOIR AND WILD-LIFE AREA**

In order to provide an adequate water supply at all times, the college has impounded a water reservoir of approximately 25 acres. The watershed involved comprises approximately 600 acres and this area is being developed as a demonstration forestry area and game refuge. Unusual facilities are thus provided for nature study, camping, and recreation.



## ***Instructions To Students***

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### **PROCEDURE FOR ADMISSION**

All correspondence concerning admissions should be addressed to the Registrar, Morehead State College, Morehead, Kentucky.

### **REQUIREMENTS FOR ADMISSION**

#### **ADMISSION TO THE FRESHMAN CLASS:**

*Without Examination.* Graduates of high schools accredited by the Kentucky Association of Colleges, Secondary and Elementary Schools and by the State Department of Education are admitted without examination, provided they have earned credit for 15 units of high school work acceptable to Morehead. No specific courses are required for entrance, but not more than four units in one subject field will be accepted. If credit in foreign language is offered for entrance, at least one unit in the language must have been earned.

*By Examination.* Students who have earned 15 units of high school credit acceptable for college entrance may enter Morehead provided they pass an entrance examination satisfactorily.

*Special Note.* All students desiring admission as freshmen must have their credits certified by their high school principal or superintendent. These transcripts should be mailed directly to the Registrar of this college by the person certifying to them and must be on file at the time of registration.

#### **ADMISSION TO ADVANCED STANDING:**

Students entering Morehead from other colleges must present a statement of honorable dismissal from the college attended previously and must satisfy the entrance requirements here. Official transcripts of college and high school credits should be on file in the Registrar's Office before the time of registration.

#### **ADMISSION AS A SPECIAL STUDENT:**

Students 21 years of age or over, who have not met the entrance requirements of the college may be admitted as special students and are permitted to carry courses for which they are prepared. Special students are not considered as candidates for any degree or certificate until they have fulfilled college entrance requirements, or until they have completed 64 hours of residence work with a minimum standing of 2.5, as well as all other requirements for the degree or certificate in question.



**ADMISSION AS AN AUDITOR:**

By payment of the required fees, admission may be secured to a class or classes as an auditor. An individual desiring such admission must apply to the Dean of Instruction. No credit will be given for this work, nor will the student be permitted to take an examination for credit.

**ADMISSION TO THE GRADUATE SCHOOL:**

Regulations governing admission to the graduate school are explained in detail on page 58 of this catalog.

**ADMISSION OF VETERANS:**

Veterans are admitted on the same basis as other students except that a veteran who has been granted a diploma on the basis of scores made on the General Educational Development Tests, by an approved high school, will be admitted unconditionally to the freshman class, provided he has made an average score of 45 or better on these tests.

**CREDIT GRANTED TO VETERANS FOR SERVICE**

Credit for specialized courses taken while in service may be allowed on the basis of proficiency examinations, information compiled by the American Council on Education and/or the recommendations of the Armed Forces Institute.

Credit for courses completed while in service, will not be granted until after the student has been in residence at this college for one term.

**WHEN TO ENTER**

The school year is composed of two semesters of eighteen weeks each and one summer term of eight weeks. It is desirable, of course, that students enter at the beginning of the Fall Semester, since the year's work is organized to start at that time. By attending during all terms, it is possible for capable and ambitious students to complete the four years of college work in three and one-half years. It is important that all prospective students should note the latest date at which they may enter if they are to carry a full load and receive full credit.

**WHAT TO BRING**

Students expecting to room in the dormitories should bring the following articles: laundry bag, a pair of blankets, window curtains, and necessary toilet articles, including towels. The school provides pillow cases, sheets and bedspreads and has them laundered. Students who plan to room in private homes should ascertain before coming to school the articles they will be required to furnish.

**RESERVING ROOMS IN DORMITORIES**

Anyone desiring a room should write to the Dean of Students

and enclose \$3.00 to secure a reservation. If a student does not enroll after making a room reservation the reservation fee is retained by the college.

Permanent room assignments will not be made until the student has made satisfactory arrangements with the Business Office.

All assignments to dormitories are made by the Dean of Students.

It is advisable for prospective students to reserve rooms at the earliest possible date.

### **DORMITORY LIFE**

Students living in the dormitories are expected to care for their rooms, and keep them clean, orderly, and *ready for daily inspection*. The college endeavors to make it possible for students to live in a wholesome atmosphere under good living conditions. The same conduct is expected from each student as would be expected of him or her in a refined private home.

The college reserves the right to inspect all rooms at any time and for any purpose and students availing themselves of these rooms accept this condition.

### **OPENING AND CLOSING OF DORMITORIES**

Students are expected to arrive on the campus on or after the official opening time of the dormitories. If it is necessary to arrive before this official opening time, necessary arrangements should be made with the director of the dormitory involved.

Official closing time for the dormitories will be published several weeks in advance of holidays and the end of semesters. Students who find that they must remain on the campus after the official closing time should arrange with the dormitory head for whatever special concessions may be necessary.

### **RULES CONCERNING STUDENTS RESIDING IN PRIVATE HOMES**

All boarding students are expected to room on the campus unless they are granted permission by the Dean of Students to room elsewhere.

All students, not living in their own homes, whether rooming in the dormitories, or in private homes or rooming houses, are subject to the regulations, control, and supervision of the college.

Students not residing in the dormitories are required to register their addresses with the Dean of Students prior to the day of registration and any student changing his address during a term must arrange for the change in advance with the Dean of Students and report the change to the Registrar.

Students living off-campus will make their own financial arrangements with regard to living expenses. The college does not attempt to collect rents or to act in any way as a collection agency.

### **ROOMS FOR MARRIED COUPLES**

The college maintains a limited number of rooms for married couples and, in addition, a number of apartments are available on the campus for the use of families.

There are also places in the community where light housekeeping can be done. These may usually be rented furnished or unfurnished. Prospective students desiring such rooming facilities off the campus are advised to communicate with the Dean of Students in advance of their arrival, so that the best possible arrangements can be made.

### **BOARDING FACILITIES**

Boarding facilities are provided in the college cafeteria and the cost will average approximately \$10.00 per week.

Light housekeeping is not permitted in dormitory rooms. Any student violating this rule will be asked to leave his or her room and no room rent will be refunded.

### **FAILURE IN OTHER COLLEGES**

Students who have been denied the privilege of re-entering, or have been dismissed from other colleges, will not be permitted to enter Morehead State College until such time as they would be permitted to re-enter the institution from which they were dismissed. Exceptions to this regulation may be made provided the institution concerned recommends acceptance of the student.

### **LATE ENTRANCE**

Students entering after the regular enrollment date will be placed on a reduced schedule. A late enrollment fee of \$3.00 per day will be charged all students who do not register on the day set aside for the purpose. Students will not be permitted to register at the regular registration period and then enter school at a later date.

### **CHANGE IN SCHEDULE**

Every student upon entrance must prepare a schedule of courses approved by a faculty adviser. This program cannot be changed, except by permission of the Dean of Instruction and the instructors concerned.

Courses not recorded in the Registrar's Office will carry no credit.

A fee of \$1.00 will be charged for each change in the schedule made at the student's request after the date provided in the school calendar.

### **STUDENT LOAD**

The minimum amount of work that a regular student may carry each semester is 12 semester hours, and the normal amount is 16 semester hours. A freshman will not be permitted to carry more than 17½ semester hours, including one hour in Freshman Orientation, during his first semester in residence.



A student who has earned a quality-point standing of 3.0 during the previous term may schedule not to exceed 18 semester hours with the permission of the Dean of Instruction; a student who has earned a quality-point standing of 3.25 during the previous term may schedule not to exceed 19 semester hours with the permission of the Dean; a student who has earned a quality-point standing of 3.35 during the previous term may schedule not to exceed 20 semester hours with the permission of the Dean; and a student who has earned a quality-point standing of 3.5, with no mark below B, during the previous year may schedule not to exceed 21 semester hours with the permission of the Dean.

An exception may be made to the regulations stated in the preceding paragraph when, in the senior year, a student needs not more than three semester hours in excess of his regular load to graduate. In this case the student may be permitted to take, during the year, not to exceed three semester hours more than his standing would normally permit, provided that the total load is not greater than 21 semester hours during any one semester.

The minimum student-load for a full-time graduate student is nine semester hours and the maximum load that may be carried by a graduate student during a semester is 16 hours.

During a summer term of eight weeks the student loads are one-half of the loads as defined for the regular semester.

#### THE MARKING SYSTEM

The grade of work done by students will be marked by letters as follows:

- A. The highest mark attainable.
- B. A mark above average.
- C. The average mark.
- D. The lowest passing mark.
- E. Failure. Course must be repeated in residence.
- I. Incomplete course.

(A course in which an "I" is received must be completed within the first thirty days of the next term in residence, if credit is granted. Otherwise the mark automatically becomes an "E.")

#### THE NUMBERING OF COURSES

100-199	Freshman courses
200-299	Sophomore courses
300-399	Junior courses
400-499	Senior courses
500	Graduate courses

A minimum of 43 semester hours of work offered for a degree must be in courses numbered 300 or above.

### SCHOLARSHIP POINTS

The mark of "A" carries 4 points; "B," 3 points; "C," 2 points; "D," 1 point; and "E," no points. A minimum average of "C," or standing of 2.00, must be maintained for any undergraduate degree or certificate. This minimum requirement for graduate students is an average of "B," or standing of 3.00.

### SCHOLASTIC PROBATION

Any student making a standing of 1.5 or lower on a semester's work is placed on probation for the next semester in residence, and his parents will be notified of his unsatisfactory work. The student will be dropped from school if he does not bring his standing up to at least 1.7 during his next semester in residence.

### ABSENCES

When a student enrolls he is expected to attend all regular exercises of the college. Class absences seriously hinder scholarship and the college authorities request the cooperation of parents in reducing absences to a minimum. Parents are, therefore, urged to refrain from asking permission for students to be absent preceding or following a holiday or to take frequent trips over the week-ends.

A student who is absent from the last class meeting preceding, or the first class meeting following any vacation or holiday, will be penalized one-half hour of general credit for each class absence unless he presents a satisfactory excuse, before the absence is incurred whenever it is possible to do so. In any event, arrangements for such excuses must be made within three days after the student returns to class. (Arrangements for these absences must be made in the office of the Dean of Instruction.)

Students are required to be prompt and regular in class attendance and deliberate "cuts" are not excused. However, absences are excused\* for the following reasons:

1. Illness. If the absence has been caused by illness, the student is expected to present to the instructor an excuse signed by the College Nurse, the Dean of Students, or a physician.
2. Representing the College. If the absence has occurred because the student was representing the College in a recognized activity—music, athletics, etc.,—lists of such students are sent to the instructors by the Dean of Students.
3. Authorized Field Trips. Lists of students participating in authorized field trips are sent to the instructors by the Dean of Students.

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\* The difference between excused and unexcused absences is—If the absence is excused the student is permitted to make up any work that the instructor considers essential. This consideration is not given if the absence is unexcused.

4. Instructors are authorized to exercise their discretion in excusing absences for other causes. If the individual teacher feels that the absence is justified, the excuse is granted, otherwise the absence is considered as unexcused.

Cases of extended or repeated absences are reported to the Dean of Instruction.

### **DISCIPLINE**

When students enroll at Morehead State College, it is with the definite understanding that they agree to abide by the regulations of the institution. The officers of administration, in cooperation with the faculty and students, will make whatever regulations are deemed necessary from time to time.

### **WITHDRAWALS**

Students withdrawing from school during any semester or term must arrange for their withdrawal with the Dean of Students and the Dean of Instruction. No refunds will be made unless the withdrawal is made through the proper channels.

### **EXPENSES**

The incidental fee for students residing in Kentucky is \$45.00 for each semester. The incidental fee for students residing outside Kentucky is \$65.00 per semester. This incidental fee is payable at the time of registration.

### **TERMS OF PAYMENT:**

All fees, room rent, and board are payable in advance at the time of registration. Remittance should be made by check drawn to Morehead State College.

The college has a special payment plan for those who are unable to pay the entire expenses for the semester at the time of registration. This plan enables the student to pay his fees in installments during the semester, the first payment being made at the time of registration and the final payment made at least two weeks before the close of the semester. Information concerning this special arrangement may be obtained by writing the Business Manager, but permission to use this plan will be granted only when absolutely necessary.

Students will not be permitted to attend classes until their registration cards have been approved by the Business Office, and such approval will be given only after satisfactory financial arrangements have been made.

### **MEDICAL FEE:**

Each dormitory student is charged a medical fee of \$3.00 a semester which is payable at the time of registration. The payment of this fee entitles a student to the services of the school nurse and to the services of a physician for minor ailments.

**LAUNDRY FEE:**

Each dormitory student is charged a laundry fee of \$2.25 a semester which is payable at the time of registration. This fee covers the rental charge on sheets, pillowcases, and bedspreads furnished by the College and provides laundry services for them.

**PHYSICAL EXAMINATION FEE:**

A fee of \$5.00 is charged for taking the annual physical examination at a time other than that regularly scheduled. If the examination is taken at the assigned time, no fee is charged.

**STUDENT ACTIVITIES FEE:**

To cover the cost of attending all athletic contests in Morehead sponsored by the college, special entertainments scheduled during the semester, and a subscription to the Trail Blazer, a fee of \$4.50 a semester is charged to all students carrying more than six hours. The payment of this fee entitles a student to free participation in the activities indicated. A fee of \$1.00 is charged during the summer session.

**LABORATORY FEE:**

No special laboratory fees are charged at Morehead but a general laboratory fee of \$4.50 a semester is collected from all students carrying more than six hours. This fee is payable at the time of registration.

**SWIMMING FEE:**

Payment of the Laboratory Fee entitles students to the use of the swimming pool.

Faculty members and employees of the college have the privilege of using the pool by paying a fee of \$1.50 per semester. Families of faculty members and employees are included in this classification.

Pupils enrolled in the Breckinridge Training School also have the privilege of using the swimming pool by paying this fee.

**MUSIC FEES:**

The fees for private lessons in music are: (a) For two one-half-hour lessons a week, \$35.00 per semester; and (b) For one one-half-hour lesson a week, \$20.00 a semester. Under certain conditions beginning students in applied music may be assigned to a student assistant for instruction and, in this event, the fees are one-half the amounts indicated for instruction provided by members of the regular staff.

**GRADUATION FEE:**

The graduation fee is \$7.50. This amount covers the cost to the student of the diploma, cap and gown rental, and certain college expenses incidental to graduation.

**YEARBOOK FEE:**

In compliance with a request made by students, a fee of \$5.00 is charged for the Raconteur, the college yearbook. Two dollars is collected when the student registers for the First Semester and pays for the individual picture in the yearbook. The remainder of the fee is collected at the time of registration for the Second Semester. Students registering for the Second Semester who have not been enrolled during the First Semester pay the entire amount of the fee at the second-semester registration.

**FEE FOR LATE REGISTRATION:**

Students who enroll after the day of registration are required to pay an additional fee of \$3.00 for each day they are late.

**FEE FOR CHANGE OF SCHEDULE:**

A fee of \$1.00 will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration. Students are advised to give careful study to the program of classes and the requirements to be met before having their class schedules approved. If a change in schedule is requested by the Dean, the student will not be expected to pay this fee.

**NECESSARY EXPENSES AT MOREHEAD FOR ONE****SEMESTER:**

Incidental fee .....	\$ 45.00
Room rent .....	54.00
Board at \$10.00 per week approximately .....	180.00
College post office box rent .....	.75
Estimated cost of books .....	15.00
Laboratory fee .....	4.50
Student activity fee .....	4.50
Medical fee .....	3.00
Laundry fee .....	2.25
<b>Total .....</b>	<b>\$309.00</b>

**THE FOLLOWING EXPENSES ARE PAYABLE IN ADVANCE FOR THE SEMESTER:**

Incidental fee .....	\$ 45.00
Room rent in the dormitories .....	54.00
College post office box rent .....	.75
Laboratory fee .....	4.50
Student activity fee .....	4.50
Medical fee .....	3.00
Laundry fee .....	2.25
<b>Total .....</b>	<b>\$114.00</b>

**PART-TIME FEES:**

The Incidental Fee for students enrolled for less than 12 semester hours of work is \$4.00 per semester hour. If the student enrolls for more than six hours during a regular semester he is required to pay the regular laboratory and activity fees.

**FEES FOR GRADUATE INSTRUCTION:**

The Incidental Fee for graduate students is \$4.00 per semester hour.

**CREDIT:**

No degree, diploma, or transcript of credits will be furnished a student until all financial obligations to the college have been paid.

All previously incurred expenses at the college must be paid in full before a student may re-enter at the beginning of any semester.

**REFUNDS:**

Refunds of fees will be made as follows:

A student withdrawing during the first week of school will be refunded 75% of his fees.

A student withdrawing within the first three weeks of school will be refunded 50% of his fees.

No refund of fees will be made after the first three weeks.

**OPPORTUNITY FOR STUDENT EMPLOYMENT**

The college has made it possible for a limited number of students to earn a part of their expenses, such as board or room rent, or both, by doing various kinds of work. The work opportunities available are in the cafeteria, dormitories, offices, and various buildings. Other students may find employment of various types in Morehead. Students desiring employment should apply for information to the Dean of Students.

Since the entering student cannot always find immediate employment, it is recommended that no new student register unless he has sufficient funds to cover the expenses of the first semester. Only a few students are able to be entirely self-supporting, since it is not advisable for a student to spend more than 25 hours per week on outside work if he is carrying an average college program.

Students desiring employment should note the following regulations:

1. The following classes of students are eligible to be appointed for employment: a. Students whose character and previous record give promise of successful college work; b. Individuals who are in need of financial assistance.

2. Employment is contingent upon the student's satisfactory performance of all his college duties, cheerful conformity to all college regulations, maintenance of proper standards of conduct, and the economical use of both time and money.



3. Students who are given employment by the college are expected to carry a normal schedule of work unless specifically excused by action of the Dean of Instruction.

4. Employment may be terminated at any time if the worker is not performing his assigned tasks satisfactorily.

5. All students employed by the college must maintain an average mark of "C" or better.

6. Students employed by the institution are expected to perform their duties regularly and will not be allowed substitutes on week-ends.

### SCHOLARSHIPS

A number of scholarships are available to worthy students. To qualify for these various grants the applicant must be (a) recommended by his high school principal; (b) have a superior high school record; and (c) establish evidence of need for such assistance. Unless otherwise noted, all scholarship awards are made on the recommendation of the Committee on Fellowships, Scholarships, and Student Aid and the right is reserved by this committee to administer competitive examinations to applicants.

*General Scholarships*—The college has provided for fifty scholarships, each carrying a stipend of \$50.00 a semester, which are available to any students who meet the institutional requirements for such awards.

*Music Scholarships*—A number of scholarships are granted to students who demonstrate special proficiency in music. The amount of the stipend varies according to need, proficiency and interest. These scholarships are administered by the Department of Music.

*Jayne Memorial Scholarship*—The family of W. L. Jayne, Sr., who served as a member of the original faculty of the institution and who throughout his lifetime was a recognized leader of education in Eastern Kentucky, has provided for a scholarship in his memory. This award carries a grant of \$300.00 per year.

*Morehead Women's Club Scholarships*—The Morehead Women's Club has established two scholarships for worthy young women. The recipients of these awards receive grants of \$100.00 per year.

*Alumni Scholarships*—The Morehead Alumni Association has initiated a plan to provide a number of scholarships carrying stipends of \$100.00 each.

*Button Memorial Scholarships*. The alumni of the Morehead Normal School, the forerunner of Morehead State College, provide for two scholarships which pay the regular college fees for two worthy students of their own choice. These scholarships were established in memory of Frank C. Button who served as president of both institutions.

*Georgia Mullins Scholarship*. The Women's Recreation Association provides a scholarship of \$100 per year in memory of Georgia

Mullins, a former student at Morehead. This grant is made to a deserving young woman who is majoring in physical education.

*Home Economics Club Scholarship.* The Morehead Home Economics Club makes a scholarship grant of \$100 a year to an outstanding prospect in the field of home economics.

*Mary Fryman Pelfrey Memorial Scholarships.* These three scholarships in the amount of \$100 per year have been made available to deserving students from Rowan County by Mr. and Mrs. Wilford A. Fryman in memory of Mr. Fryman's mother.

*Mary E. Lathram Memorial Scholarship.* The Department of Classroom Teachers of the Kentucky Education Association has established a full-scholarship in memory of Mary E. Lathram, a graduate of Morehead who taught for many years in Bath County and who was also active in the work of the classroom teachers organization. This scholarship is awarded to a young woman residing in the area served by the Eastern Kentucky Education Association who gives promise of developing into a superior elementary teacher. This provision is in line with the motto of the Classroom Teachers — "Replace a Teacher with a Teacher."

*Basketball Tournament Scholarships.* The basketball teams of Breckinridge Training School, Morehead High School, Morgan County High School, and Sharpsburg High School participate in a tournament each year, the proceeds of which are used in partial payment of the expenses at Morehead of a student from each of these schools.

*Keeneland Foundation Scholarships.* The Keeneland Foundation has made arrangements whereby four four-year scholarships are available to worthy students. Each of these scholarships carries a stipend of \$300 per year.

*Harbison-Walker and Southeast Coal Company Scholarships.* The Harbison-Walker Company of Olive Hill and the Southeastern Coal Company of Whitesburg, Kentucky, award a number of scholarships each year to prospective students of their own choice. Several of the students receiving these awards have enrolled at Morehead.

### AWARDS AND PRIZES

*Inkpot Awards*—The *Inkpot* annually awards three prizes for outstanding manuscripts submitted by freshman writers. The awards, presented during a spring convocation program, are made for the best entries in the following fields: fiction, essay, poem. Winning manuscripts are published in the *Inkpot*, and each award-winner receives a pen-and-paperweight desk set.

*Inez Faith Humphrey Awards in English Literature*—These awards, honoring Miss Humphrey, who served for many years as a valued member of the English Department, are presented annually to the authors of outstanding manuscripts in creative writing. Entries



may be submitted by any junior or senior who is a full-time student in residence during the year in which the awards are granted and who has maintained a grade average of "C" for the first semester and for the second semester up to the closing date for submission of manuscripts. Awards are made in the categories of poem and play one year, and in the categories of story and essay the following year. Each of these awards amounts to approximately seventy-five dollars.

#### **WEEK-END CLASSES**

Morehead follows the practice of scheduling a number of classes at night and on Saturday to accommodate in-service teachers. These courses give residence credit. No in-service teacher is permitted to earn more than six hours during a semester, or twelve hours during the school year, of undergraduate credit; and no in-service teacher is permitted to earn more than four hours during a semester, or eight hours during the school year, of graduate credit.

These week-end classes are included in the regular class schedules that are issued each term.

Students attending these classes may secure lodging in the college dormitories at the rate of \$1.00 per night.

#### **EXTENSION AND CORRESPONDENCE COURSES**

##### **EXTENSION COURSES:**

The College arranges to send instructors to teach non-laboratory courses off the campus when classes of desirable size can be organized. This work carries extension credit and not more than one-fourth of the credits presented for any certificate or degree may be earned by any combination of correspondence and extension credit.

The fee for undergraduate extension courses is \$100.00 for each semester hour of credit. The cost of the course is apportioned equally among the students enrolled in the class. By this arrangement, the actual cost to each student is determined by the number enrolled in the course. However, a minimum fee of \$5.00 a semester hour will be charged each student.

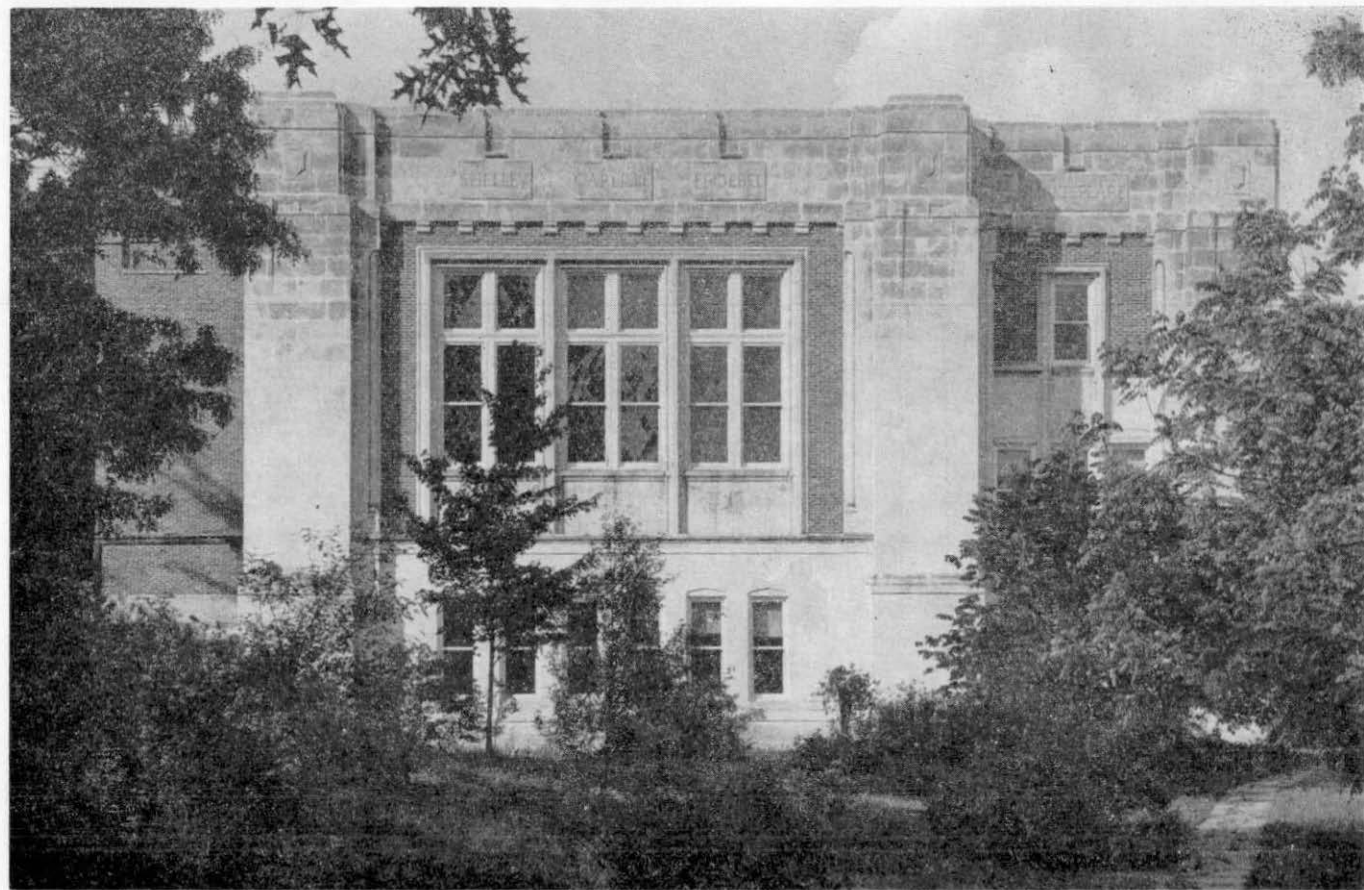
The College is also in position to offer a limited number of graduate courses in suitable study centers. Enrollment in these courses is limited to graduate students and the fee for a three-hour graduate course is \$400.00. The minimum individual fee for a graduate course by extension is \$5.00 a semester hour.

Individuals interested in having extension classes organized in their localities should write the Director of Extension and Correspondence.

##### **CORRESPONDENCE COURSES:**

Morehead also offers college courses by correspondence. The fee for this work is \$5.00 a semester hour.

Anyone interested in correspondence work should write the Director of Extension and Correspondence for complete information.



### ***Information of Particular Interest To Freshmen***

1. What has been the history of the college?

Morehead State College was established in 1922 and has operated continuously since September, 1923. For a more complete statement see page 19 of this bulletin.

2. Is Morehead an accredited institution?

Yes. Morehead State College is fully accredited by the following agencies—

- a. The Southern Association of Colleges and Secondary Schools.
- b. The National Council for the Accreditation of Teacher Education.

3. What types of training are offered at Morehead?

The college offers several types of training. These are—

- a. A four-year program for elementary teachers.
- b. A four-year program for high school teachers with opportunities for major study in agriculture, commerce, economics and sociology, English, modern languages, history, political science, biology, chemistry, geography and geology, mathematics, physics, art, music, home economics, industrial arts, physical education and speech and dramatic art.
- c. A four-year program of general academic training with the same opportunities for major study as those listed above. This program does not prepare for teaching.
- d. A four-year program qualifying Smith-Hughes teachers of vocational home economics.
- e. Graduate work leading to the degree of Master of Arts in Education.
- f. One- and two-year programs for stenographers and secretaries.
- g. A four-year program in commerce.
- h. Preliminary training for professional study in medicine, dentistry, law, pharmacy, engineering, etc. (For more complete statements, see the pertinent information in this catalog. Consult the index for exact page references.)

4. What is the standing of the Morehead faculty?

Members of the teaching staff are selected on the basis of their ability to do effectively the particular work to which they are assigned. This college believes that its major task is to be accomplished in the classroom, but that this classroom activity, to be effective, must be made as functional as possible. The faculty at Morehead is highly

trained and is engaged constantly in the effort to improve its efficiency. The academic training of the members of the faculty may be determined by referring to the material on page 8 of this bulletin.

5. Is there an opportunity at Morehead for a deserving student to work and thus defray a part of the cost of his education?

Yes. A large portion of the clerical and routine work on the campus is done by students. Anyone interested in this work should make application to the Dean of Students. For a more complete statement see page 34 of this bulletin.

6. What are the requirements for admission at Morehead?

Our admission requirements are similar to those of any standard four-year college. A complete statement of these requirements may be found on page 25 of this bulletin.

7. How should a student apply for admission at Morehead?

Anyone wishing to be admitted to the college should write to the Registrar, Morehead State College, Morehead, Kentucky. The Director of Public Relations will then send to the student all necessary forms and instructions for completing the application.

8. What are the requirements for graduation at Morehead?

To graduate at Morehead you must earn a minimum of 128 semester hours of college credit, at least 43 hours of which must be earned in junior and senior courses. Not more than one-fourth of this total can be earned by extension and/or correspondence. A minimum scholarship average of "C" must be maintained on all residence courses offered for a degree.

9. What should a freshman do on registration day?

We have attempted at Morehead to make the process of registration as simple as possible and at the same time secure the basis for adequate records and proper course assignments. Freshmen should consult the College Calendar for information concerning the Orientation Schedule.

10. What does it cost to attend school at Morehead?

The incidental fee for Kentucky students is \$45.00 per semester and for out-of-state students this fee is \$65.00. An itemized list of the usual expenses of students is estimated on page 33 of this bulletin.

11. What types of living accommodations are available to students attending Morehead?

The college plant includes four dormitories, two for men and two for women. Each of these residence halls is equipped in such a way

that students are comfortably and safely housed. These buildings are fireproof in construction and entirely modern in every respect.

In addition, a limited number of furnished apartments are available for the use of married students. Students with children are given preference in the use of these apartments.

The college also operates its own cafeteria. Wholesome, well-cooked food may be secured at a minimum cost.

12. Does Morehead furnish guidance facilities for its students?

Yes. Each freshman is assigned to a faculty adviser at the time of enrollment. This adviser aids the student in his choice of courses and activities. The adviser is also available at all times for help in connection with personal problems that may arise. On the basis of this acquaintance, the attempt is made to guide the student into a life activity that is suitable.

13. What opportunities are offered at Morehead for participation in extra-curricular activities?

Extra-curricular activities are encouraged at Morehead. The college is a member of the Ohio Valley Conference and sponsors varsity teams in the major sports. The success of these teams in past years speaks for itself. The musical organizations are also active and very fine musical groups have been developed. In addition, dramatics, debate, and journalistic activities are sponsored. Other organizations emphasizing particular subject-matter interests are promoted as well as various clubs having social activities as their goal. For a complete list of these student organizations see page 46 of this catalog.







## *Auxiliary Agencies*

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### **HEALTH PROGRAM**

The college maintains an infirmary on the first floor of Fields Hall under the constant supervision of a resident nurse. A part of the \$3.00 medical fee charged each student at registration is for the upkeep of the infirmary and for this small fee any and all students may receive medical advice at stated times, and on other occasions by appointment. Minor ailments receive immediate attention, and such minor operations are performed as practitioners usually perform, but no major operations are performed in the college infirmary.

### **LYCEUM AND SPECIAL ENTERTAINMENTS**

A portion of the activity fee, paid by each student at registration, is used by the college to provide a series of public lectures, musicales and other forms of entertainment, to which all students are admitted either free (upon presentation of their student activity tickets) or at special reduced prices. These entertainments are so scheduled as to give the school community an opportunity of hearing talent of high order each semester.

### **SPECIAL LECTURES**

During the college year special speakers and lecturers are invited to come to the college. In the past a number of prominent Kentuckians and eminent speakers from various sections of our country have brought inspiring messages of vital concern to the student body.

### **RELIGIOUS ENVIRONMENT**

Since Morehead State College is a state institution, it is, of course, non-denominational.

There are nine churches in Morehead, representing the following denominations: Baptist, Catholic, Christian, Methodist, Church of God, Episcopal, Church of Christ, and Nazarene. These churches give the students a hearty welcome to all their services. While the students are not required to attend, they are encouraged to affiliate themselves with the church of their choice and to find a church home. All denominations are represented in the college faculty, who for the most part have their memberships in the Morehead churches.

### **CONVOCATION EXERCISES**

Convocation exercises are held on Thursday of each week. Special meetings may be called on other days of the week, as occasion may demand. These programs are an integral part of the

institutional life. The programs—religious, social, and educational in nature—are conducted by different members of the faculty, and by invited guests and speakers.

The purpose of these programs is to create ideals, disseminate information, establish professional attitudes, develop culture, and promote a better school morale. All students are required to attend.

One-half hour of credit is deducted from the student's total credits for each unexcused absence from the Thursday convocation.

### **ATHLETICS**

The college promotes clean and wholesome athletics. Those students who are interested are encouraged to participate in football and basketball and other sports. Those who are not fitted for such strenuous exercises are encouraged to participate in minor games. Interclass athletics and intramural programs are promoted by the college.

Morehead State College is a member of the Ohio Valley Conference, the National Association of Intercollegiate Athletics and the National Collegiate Athletic Association.

### **COMMENCEMENT**

The college has two commencement exercises each year, one at the close of the second semester and the second at the close of the summer term.

All students who are candidates for the college degree are required to participate in the commencement exercises unless excused by the Dean of Instruction.

Only students who have satisfied all requirements for graduation at the time of commencement will be permitted to participate in the graduation exercises.

### **TRAIL BLAZER**

The Trail Blazer, official newspaper of the Morehead State College, is published bi-weekly by the student body. The Trail Blazer is a member of the Kentucky Intercollegiate Press Association and has gained state-wide recognition in contests sponsored by the association. Students who have had journalistic experience or who are interested in the newspaper field are encouraged to try for staff positions.

### **INKPOT**

The Inkpot, the literary magazine, provides a publishing medium for those students and alumni who are interested in creative writing. This magazine is issued periodically and is sponsored by the Division of Languages and Literature.

### **RACONTEUR**

The Raconteur, the college year book, is published annually by the senior class. This book, containing as it does a history of the college year in pictures, is a valued possession of all Morehead students.

### **GUIDANCE SERVICE**

Under the supervision of a faculty committee Morehead attempts to provide its students with guidance service that is designed to aid them in reaching intelligent decisions concerning such problems as—choice of a suitable life activity, selection and successful completion of a program of study, adjustment to campus life, and personal problems of daily living. Regular members of the teaching staff act as student advisers and a close relationship is maintained between adviser and advisee.

### **TESTING BUREAU**

The college maintains a Testing Bureau which serves the dual purpose of providing complete testing service for the students in residence as well as for public school systems. Certain tests are given to all students, but the facilities of the Bureau are available to any student who may wish to have special tests administered.

## *Student Organizations*

*The Morehead Players*, the college dramatic organization, gives ample opportunity to students for the writing, production, and acting of plays, as well as for the design of scenery, stage settings, and lighting effects. It is the production unit in dramatic arts and speech. The College Auditorium, Breckinridge Auditorium, and the scene shop furnish opportunities for testing theories with practice for public and experimental productions.

*Beta Chi Gamma* is composed of students in biology and chemistry. Meetings are held bi-monthly at which programs of general interest are given. Additional projects pertaining to biology and chemistry are carried on by various groups within the organization.

*Beaux Arts Club* is a group of art-minded students who organized in the fall of 1935 to stimulate an interest in the fine arts and crafts and also to foster a congenial atmosphere for engaging in art activities. All applicants must submit some art work or give an art appreciation talk. These are judged by the membership committee. Some of the activities of this organization are the sponsoring of: (1) a trip to the Cincinnati museum and other places of art interest each term; (2) art competitions; (3) art demonstrations; (4) art plays; and (5) making of favors and programs for activities on the campus.

*Musical Organizations.* The various ensembles organized under the supervision of the Music Department provide social and cultural advantages of great value to students. The Orchestra, Band and Chorus are open to all who can qualify as amateur players or singers. Further particulars about these organizations will be found in the course of study.

The Crescendo Club is composed of students who are interested in music and musical activities. Its purpose is to foster appreciation of music by means of interesting programs, participation in small ensemble groups, and assisting in attaining better community programs.

A local unit of the Music Educators National Conference is also maintained on the campus. Membership in this organization is open to seniors who are majoring in music.

*The Campus Club* is an organization whose membership is open to men students upon invitation. Members are selected from those students who have demonstrated ability as leaders on the campus. A scholastic standing of two is prerequisite for pledging.

*The Agriculture Club* is composed of men who are interested in the study of agriculture and who are also concerned with doing something that will make them capable of becoming better citizens. During the past two years this club has been very active and its members have contributed their special abilities to the general welfare of the college. Much of the landscaping found on the campus at the present time has been done by this organization.

*Future Teachers of America.* A national charter was granted to the Morehead Chapter of this organization in 1940. "The F.T.A. groups are practice schools voluntarily established by the students themselves as training grounds for professional and civic action. Their purpose is to give every prospective teacher the power that comes from experience in working with others on significant professional and civic projects looking toward active participation in the great state and national education associations that give leadership to the causes of education in America."

*Kappa Delta Pi.* Epsilon Theta Chapter of Kappa Delta Pi was installed at Morehead in May 1942. This national honorary fraternity is open to outstanding students in their junior, senior, and graduate years. The organization is primarily interested in the promotion of science, fidelity to humanity, service and scholarship. Membership constitutes a mark of distinction in the teaching profession.

*Alumni Association.* The purpose of the Alumni Association is to stimulate mutual interest between the college and former students. Payment of the annual membership dues also secures a year's subscription to the Trail Blazer. Every graduate should become a member of the association. Meetings are held during the Homecoming celebration in the Fall.

*The Mu Phi Club* is an organization composed of those students who are interested in mathematics and physics. Meetings are held twice each month, at which time discussions of topics of general interest are given. One of the most enjoyable features of the club is the social hour which follows each meeting. Occasionally the club takes trips to points of scientific interest.

*Kappa Mu* was organized in 1938. Membership is composed of majors and minors in commerce who maintain a scholastic standing of better than "C," with a superior standing in commerce. The purpose of the club is to develop interest in commercial activities and at the same time to promote a better understanding between students and faculty through an interesting and instructive social program. Meetings are bi-monthly.

*The Home Economics Club* is open to students of home economics. The purpose of the club is "to give opportunity for members

to develop active leadership and responsibility, to bring students in closer touch with the home economics organizations of the state and nation, and to create and stimulate interest and education in home economics."

*The Women's Recreation Association* is an organization open to all women students interested in participating in any form of physical activity. Tournaments for the various sports are held during the proper season. The entire group holds meetings at the call of the council.

*The MSTC (Mystic) Club* was organized in memory of Coach Len Miller. This organization supervises the elections of cheerleaders and is in charge of all pep rallies on the campus. It fosters keen interest and participation in all sports.

*The Student Council.* This is the governing body of the Association of Morehead State College Students. Its purposes are to afford members a medium of expression on matters affecting student life; to provide a means whereby students may exercise a shared responsibility with the faculty, within certain specified limits, concerning the government of the student body; to promote, through joint effort, all the legitimate interests of the College; and to develop in its members the desirable qualities of self-reliance, initiative, co-operativeness, high ideals, and loyalty. Membership on the Council is secured through election by the student body.

*A.C.S.* The Morehead branch of the American Chemical Society is made up of chemistry majors who are planning careers in chemistry. Topics of mutual interest are discussed at their meetings.

*Open Forum.* The Open Forum was organized at the request of students as a means of discussing campus problems and problems of a general nature throughout the state and nation. The group usually has a guest speaker who talks on some topic of interest. A discussion period follows.

The club meets twice each month and membership is open to any student in good standing.

*YWCA.* The Young Women's Christian Association, a popular organization on the campus, sponsors a program that is both social and religious. While the primary purpose of the organization is to foster the religious life of the students, it often furnishes a very wholesome form of social life in the way of informal entertainments. For example, a picnic for the entire student body is an annual club project.

New students are invited to become members of this organization, and are especially invited to call upon the members for assistance in their efforts to align themselves with college life. There are no special requirements for membership, but regular attendance at the meetings on the first and third Thursdays of each month is expected.

*Newman Club.* The Newman Club is an international as well as



a nationwide organization which is represented on most college and university campuses. Its purpose is to create unity among Catholic students in schools of higher learning.

The Newman Club at Morehead strives for a closer relationship with similar organizations of other Christian groups, on or off the campus.

Meetings are held on the fourth Sunday of each month. Officers are elected annually by the membership of the club.

*Wesley Club.* The Morehead Wesley Club is one of many Wesley organizations in colleges over the nation.

In addition to moral and religious needs, the Wesley Club provides for the physical, social, and intellectual needs of the Methodist students on the campus. These needs are met through programs which include singing, discussions, guest speakers, caroling, and worship services. Not only are Methodist students invited to attend Wesley Club, but members of all faiths are welcome.

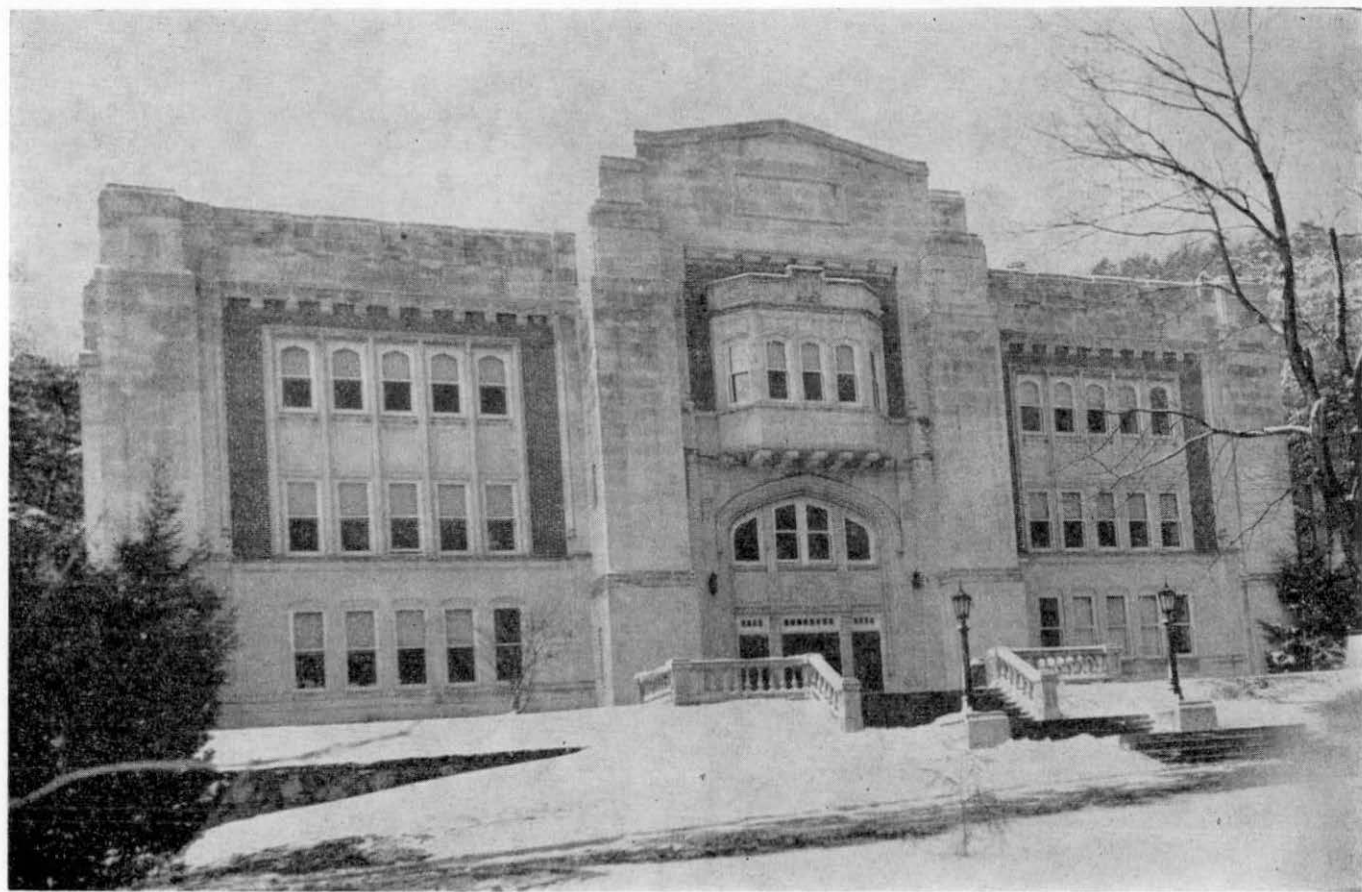
*Baptist Student Union*—The purpose of this organization is to strengthen, correlate, and unify all of the separate Baptist unit religious organizations into one campus organization with one all-inclusive program of religious activity.

Membership is open to members of the Baptist Church and/or one or more of the unit organizations of that church. Other students may be extended membership in the group by unanimous consent.

*The Veterans' Club*—Membership in this organization is limited to students who are veterans of at least ninety days of service in a branch of the Armed Forces of the United States, who have been discharged under conditions other than dishonorable. Its purposes are—to keep members informed on veterans' affairs; to contribute to the extra-curricular program of the college; and to better enable students with mutual interests and a background of common experience to gather for fellowship.

*Les Courants*—This organization is composed of a group of upper-class male students who are organized to stimulate interest in the fine arts and to provide a medium for fellowship for those with common interests. Pledges may be accepted from the freshman class at the discretion of the active membership. This organization makes an annual award to the student of the fine arts who has proved himself to be outstanding in character and achievement.

*The Cosmopolitan Club*—This club is composed of American and foreign students and was organized to stimulate the transfer of ideas among students of different nationalities, to encourage the development of enduring friendships and the cultivation of good will toward mankind. Membership is open to all nationalities and is on a voluntary basis.



## *Degrees and Certificates*

### **CURRICULA**

The curricular offerings at Morehead are varied. Students may pursue courses leading to the:

1. Temporary Certificate.
2. Provisional Elementary Certificate and degree.
3. Provisional High School Certificate and degree.
4. Standard Elementary Certificate.
5. Standard High School Certificate.
6. Bachelor's degree without a certificate.
7. Bachelor's degree and the certificate in Vocational Home Economics.
8. Bachelor's degree with an area in business administration.
9. Provisional certificates for superintendents, principals and supervisors.
10. Standard certificates for principals and supervisors.
11. Degree of Master of Arts in Education.

### **DEGREES**

The college awards two undergraduate degrees, the Bachelor of Arts and the Bachelor of Science. Each degree may be taken with or without a teaching certificate.

The degree of Bachelor of Science is granted to those students who complete all of the requirements for graduation and who earn a minimum of 60 semester hours of credit in the following subjects—agriculture, biology, chemistry, commerce, geology, home economics, industrial arts, mathematics, library science and physics. Students completing any of the other four-year curricula are granted the degree of Bachelor of Arts.

### **GENERAL REQUIREMENTS FOR THE BACHELOR'S DEGREE**

The candidate for the degree must meet the following general requirements:

1. A minimum of 128 semester hours of prescribed and elective college credit.
2. An average standing of "C", or higher, on all residence work completed at this college.
3. At least three-fourths of the credit in residence in some standard college; at least one year in residence and one

semester immediately preceding graduation in this institution. (One year in residence is interpreted as being two semesters, during which a minimum of 32 hours of credit will have been earned.)

4. Not less than 43 semester hours of work offered for the degree must be selected from courses numbered 300 or above.
5. The credits earned must include a minimum of 12 hours in natural science and 12 hours in social science. Three hours of the 12 hours required in social science must be earned in History 400.

### MAJORS AND MINORS

Not later than the beginning of the sophomore year, the applicants for degrees must file with the Dean their selection of majors and minors. The heads of the departments in the major and minor fields must approve the program to be followed before the blank is filed. Two majors of 24 semester hours each, or one major of 24 semester hours and two minors of 18 semester hours each, may be selected\*

A student may choose his major† or minor† from any one of the subjects listed below:

Agriculture	Home Economics
Art	Industrial Arts
Biology	Mathematics
Chemistry	Music
Commerce	Physical Education
English	Physics
French	Political Science
Geography and Geology	Sociology and Economics
History	Speech and Dramatic Art

In addition to the available subject fields listed above, the student may complete a minor in—

Latin  
Library Science

### AREAS OF CONCENTRATION

To meet the needs of high school teachers who will teach entirely in a general subject area, Areas of Concentration may be selected in lieu of majors and minors.

\* In English a major requires a minimum of 30 semester hours and a minor of 24 semester hours. (See p. 104) In Speech and Dramatic Art a major requires a minimum of 30 semester hours.

† Note that Education cannot be counted as a major or minor field.

Provision for Areas of Concentration was made by the state authorities with three ideas in mind: first, more and more secondary teachers are teaching in one department or field of work; second, greater opportunity is afforded for integrated preparation; and third, with the greater emphasis on graduate preparation for secondary teachers, extensive knowledge in some general field becomes exceedingly important as an adequate background.

**Areas of Concentration** may be taken in the areas of

Social Science	Home Economics	Music
Science	Commerce	Art
	English	

## *Requirements for Certificates and Degrees*

### THE BACHELOR OF ARTS DEGREE

#### I. The Bachelor of Arts Degree and the Provisional Elementary Certificate

##### a. EDUCATION

	Sem. Hrs.
100 Orientation in Education .....	1
210 Human Growth and Development I .....	3
211 Human Growth and Development II .....	3
227 Literature for Children .....	3
321 Teaching of Arithmetic .....	3
325 Supervised Student Teaching .....	4
326 Teaching of Reading .....	3
333 Fundamentals of Elementary Education ....	4
420 Principles and Practices of Elementary Education .....	3
425 Supervised Student Teaching .....	4
Minimum in Education .....	(31)

##### b. ENGLISH

101 Writing and Speaking .....	3
102 Writing and Speaking .....	3
Literature .....	6
Speech or Dramatic Art .....	3
Minimum in English .....	(15)

##### c. SOCIAL SCIENCE

History 400 American Foundations .....	3
(Required of all seniors who do not have credit for six hours of American History at the college level)	
*To be selected from economics, geography, history, political science and sociology .....	18
Minimum in Social Science .....	(21)

##### d. SCIENCE

101 Introduction to Biological Science .....	3
102 Introduction to Biological Science .....	3
103 Introduction to Physical Science .....	3
104 Introduction to Physical Science .....	3
Minimum in Science .....	(12)
(The foregoing courses in science are those recommended for all students who do not expect to major or minor in the sciences.)	



## Sem. Hrs.

However, other courses selected from biology, chemistry, geology, or physics may be used in satisfying this requirement)

## e. FINE ARTS

**Art**

121	Public School Art .....	3
221	Advanced Public School Art .....	2

**Music**

100	Rudiments of Music .....	3
221	Music for the Elementary Grade Teacher.....	2

**Fine Arts**

160	Appreciation of the Fine Arts .....	2
	Minimum in Fine Arts .....	(12)

## f. HEALTH AND PHYSICAL EDUCATION

100a	Orientation in Physical Education .....	½
100b	Orientation in Physical Education .....	½
	Additional activity courses in the sopho- more year .....	1
104	Personal Hygiene .....	2
320	Plays and Games for Elementary Schools....	2
	Minimum in Health and Physical Education..	(6)

## g. HOME ECONOMICS

302	Nutrition for the Elementary Teacher .....	2
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h. FRESHMAN ORIENTATION ..... 1  
(Required of all first-semester freshmen)

## \*i. ELECTIVE ..... 28

j. See General Requirements for the Bachelor's  
Degree, page 51.  
Minimum for the degree ..... 128

\*All elective courses must be selected with the approval of the student's adviser. In choosing these elective courses, consideration should be given to the student's interests, strengths, weaknesses and the demands of the elementary school program. Among the more recent trends in this program are — Emphasis on the study of science; Including the study of foreign languages in the elementary program; Strengthening the school program in health and nutrition; Added significance in the field of the fine arts; Strengthening the elementary program in mathematics; and the use of specialists at the elementary level — special teachers of art, music, health and physical education, speech and also elementary school librarians and guidance counselors.

## II. The Bachelor of Arts Degree and the Provisional High School Certificate

### a. EDUCATION

100	Orientation in Education .....	1
210	Human Growth and Development I .....	3
211	Human Growth and Development II .....	3
472	Fundamentals of Secondary Education .....	4
375	and 475 Supervised Student Teaching .....	8
	Minimum in education .....	(19)

### b. ENGLISH

101	Writing and Speaking .....	3
102	Writing and Speaking .....	3
201	Introduction to Literature .....	3
202	Introduction to Literature .....	3
	Minimum in English .....	(12)

### c. HEALTH AND PHYSICAL EDUCATION

104	Personal Hygiene and Public Safety .....	2
285	Community Recreation .....	2
	Activity courses in physical education .....	2
	Minimum in health and physical education.....	(6)

### d. MAJOR STUDY

Two academic majors of not less than 24 semester hours each; or one academic major of not less than 24 semester hours and two academic minors of not less than 18 semester hours each; or an area of concentration of not less than 48 semester hours .....	48-60
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### e. CORE CURRICULUM

A minimum of 27 semester hours to be selected from three or four of the following fields, not less than six hours to be offered in any field .....	27
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(Two of these groups must be in fields different from the majors and minors or area of concentration. One group may be in the same field but not in the same subject as a major or minor).

1. Fine Arts—art, dramatics and music
2. Foreign Language
3. Mathematics
4. Science—biology, chemistry, physics, geology
5. Social Science—economics, geography, history, political science, sociology
6. Vocational subjects—agriculture, commerce, home economics, industrial arts, library science, military science.

- f. **ELECTIVE** ..... 4-16  
 g. See General Requirements for the Bachelor's Degree, page 51.  
     Minimum for the degree ..... 128

### III. The Bachelor of Arts Degree (Without a Certificate)

- |  | Sem. Hrs. |
|--|-----------|
| a. One foreign language .....  | 12        |
| b. English .....   | 12        |
| c. Science—biology, chemistry, physics, geology .....  | 12        |
| d. Mathematics .....   | 7         |
| e. Social Science .....  | 12        |
| f. Health and Physical Education .....   | 4         |
| (At least two of these credits must be earned in activity courses)   |           |
| g. Two academic majors of not less than 24 semester hours each; or one academic major of not less than 24 semester hours and two academic minors of not less than 18 semester hours each; or an area of concentration of not less than 48 semester hours ..... | 48-60     |
| h. Elective .....  | 9-21      |
| i. See General Requirements for the Bachelor's Degree, page 51.<br>Minimum for the Degree .....  | 128       |

### THE BACHELOR OF SCIENCE DEGREE

#### I. The Bachelor of Science Degree and the Provisional High School Certificate

The requirements for this degree are the same as those for the Bachelor of Arts Degree and the Provisional High School Certificate with the following exception—To qualify for the Bachelor of Science degree the student must earn credit for a minimum of 60 semester hours in the following subjects—agriculture, biology, chemistry, commerce, geology, home economics, industrial arts, library science, mathematics, and physics.

#### II. The Bachelor of Science Degree (Without a Certificate)

The requirements for this degree are the same as those specified for the Bachelor of Arts Degree (Without a Certificate) with the following exceptions—(a) To qualify for the Bachelor of Science degree the student must earn credit for a minimum of 60 semester hours in the following subjects—agriculture, biology, chemistry, commerce, geology, home economics, industrial arts, library science, mathematics, and physics; and (b) There is no foreign language requirement for this degree.

## *Graduate Study*

Morehead State College offers a program of study leading to the degree of Master of Arts in Education. The program is designed to provide a fifth year of training for teachers in the elementary and secondary schools, supervisors, and administrators.

### **REQUIREMENTS FOR THE MASTER'S DEGREE**

#### **I. Admission to Graduate Work**

1. Graduates of accredited four-year colleges are admitted to graduate work on application to the Director of Graduate Instruction. This application must be accompanied by a transcript of undergraduate credit.
2. Graduates of non-accredited colleges must meet the conditions for graduation at Morehead State College before their applications for graduate work will be approved.
3. If the student's undergraduate preparation is inadequate, this deficiency must be made up by taking designated courses which will not be counted for graduate credit.
4. The student's graduate program is pursued under the direction of a committee of three members. This committee is composed of two members appointed from the graduate faculty and the Director of Graduate Instruction.
5. The applicant for a degree must arrange a program of graduate work under the direction of his graduate committee, and he is not admitted to complete graduate standing until this program has been approved by his committee.

#### **II. Admission to Candidacy**

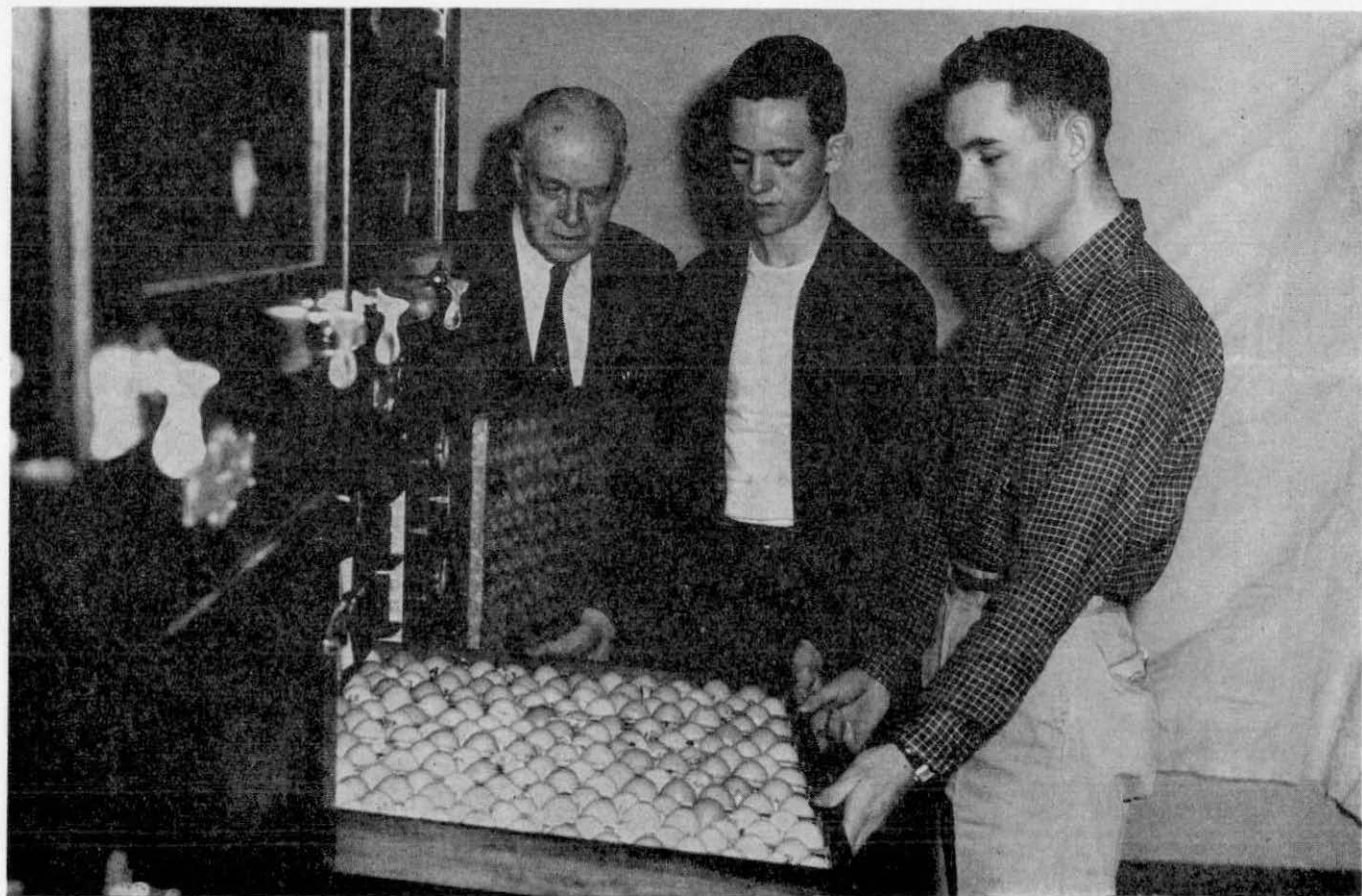
1. To be admitted to candidacy for the graduate degree, the student must have a minimum of 12 semester hours of undergraduate credit in education, including credit in student teaching; must secure approval of his complete graduate program, including his thesis problem, from his Graduate Committee; pass a comprehensive qualifying examination; and have the final approval of the Committee on Graduate Instruction.
2. The student may apply for admission to candidacy not earlier than the twelfth week of residence as a graduate student and must apply not later than the eighteenth week before the degree is granted.
3. Admission to graduate courses does not necessarily mean admission to candidacy for the master's degree.

#### **III. General Requirements**

1. The master's degree may be earned in either of two ways—
  - a. If the student elects to write a thesis, the degree may be secured by completing a minimum of 36 weeks

in residence and a minimum of 24 semester hours of work in regular courses. b. If the student so desires he may elect to do additional course work in lieu of writing a thesis. In this event the minimum requirements for the degree are 30 semester hours of credit and 36 weeks of residence. Students who expect to continue their training beyond the level of the master's degree are strongly advised to write a thesis.

2. The student is required to have an average standing of 3.0 on all work offered for the degree, and no credit is allowed for a mark below C.
3. Graduate students may enroll in upper division courses, but at least 50 per cent of all course work must be in courses open only to graduate students.
4. One-half of the course requirements and one-half of the residence work must be done as a full-time graduate student.
5. The following will not be accepted for graduate credit:  
(1) work done by the candidate as an undergraduate;  
(2) work done in undergraduate courses as a special student; (3) credit earned in courses in the lower division; and (4) credit earned by correspondence.
6. In evaluating residence for part-time students, one semester hour of class work entitles the student to one and one-half weeks of residence. This regulation applies to students who carry less than a minimum full-time load.
7. Students holding what would ordinarily be considered as full-time positions are not permitted to receive graduate credit for more than four semester hours of work during any semester.
8. A maximum of six semester hours may be earned by extension or in another graduate school with the approval of the student's graduate committee.
9. The minimum full-time graduate load for a semester is nine semester hours. No graduate student is permitted to earn more than 16 semester hours of credit in any semester.
10. In all cases the requirements for the degree must be completed within five years from the date of beginning graduate work.
11. Before the master's degree is granted, the candidate must be qualified to receive a teaching certificate based on a four-year undergraduate curriculum. (The certificate referred to may either be a Kentucky certificate or a teaching credential valid in another state.)





**Departmental Offerings****AGRICULTURE**

Mr. Haggan

Mr. Mathieu

**OBJECTIVES:**

1. To help students in meeting the requirements in vocational agriculture and the work of the county agent.
2. To prepare students for positions in industry.
3. To aid students in becoming good farm managers.
4. To develop a greater appreciation of a rural way of life that leads to a higher standard of living.
5. To develop leaders for service in rural communities.

**REQUIREMENTS:**

(The listed requirements are for those students taking agriculture as an academic major. They are also applicable toward requirements leading to degrees in agriculture and the teaching of agriculture under the Smith-Hughes Act.)

*For a Major:*

Sem. Hrs.

Agriculture 111, 180, 215, 237, 336, 415 .....	20
Elective in Agriculture approved by the Department.....	6
Total for a Major .....	26

*For a Minor:*

Agriculture 111, 180, 215, 237 .....	13
Elective in Agriculture approved by the Department.....	6
Total for a Minor .....	19

For Smith-Hughes and County Agent Work the student should complete all of the courses in agriculture that are offered in this college. They should also enroll for the following courses in other departments:

Biology 210, 215, 216, 304, and 317  
 Chemistry 111, and 112  
 Mathematics 101, or 151 and 152  
 English 101 and 102  
 Geology 101  
 Speech 280 or 281  
 Agriculture 170  
 Agriculture 280  
 Economics 149  
 History 242

**Note.**—All students preparing for vocational agriculture or county agent work should consult the head of the department before making out a schedule of classes. All work in agriculture applying on a major or minor also applies on the requirements for vocational agriculture and the work of the county agent.

### DESCRIPTION OF COURSES

#### **Agriculture 101. General Agriculture. Three hours.**

The part the community plays in meeting national goals in agricultural production; studying the structure of a rural community and how it functions; the organizations that operate therein and how to use them for community betterment; the promotion of rural recreation and the development of hobbies; beautification of the farmstead and community; importance of animals and crops to the community; organizing the community's resources for the good of all; getting acquainted with field crops and farm animals, their improvement and care; making the family and community more self sufficient; and other related topics.

#### **Agriculture 111. Soils. Four hours.**

Prerequisite: Chemistry 111.

Origin of soils and their properties; supply and availability of plant nutrients; fertilizers, limes, manures—their care and applications; microbial populations; soil and plant relationships; crop production and soil fertility; testing soils for plant foods; conservation; terracing, drainage, contours, strip farming and related subjects.

#### **Agriculture 133. Farm Livestock Production. Three hours.**

Importance of livestock to agriculture; origin of cattle; beef cattle and types; market classification; feeder and stocker cattle—feeding and management, breeding; dairy and dual purpose cattle—milk secretion, milk production, consumption of milk, breeding; swine—types, breeding, market classes, feeding and management; sheep (same as for swine); horses and mules; farm and light horses.

#### **Agriculture 170. Rural Sociology. Three hours.**

Rural and urban contrasts in ways of life; patterns of rural settlement; types of rural communities; studies in rural population and migration; patterns of social interaction; rural social institutions—economic, school, church, family, government; social pathology and welfare; rural health, medical services and facilities. Special emphasis is laid on rural life in Kentucky and surrounding areas.

#### **Agriculture 180. Elementary Field Crops. Three hours.**

General farm crops and their classification; how to secure and produce quality seeds; kinds of pastures, meadows, and their improvement; recent crop introductions to Kentucky and their culture;

modern agricultural machinery and its use in better seed bed preparation and harvesting; judging and grading of grains; better use of fertilizers, limes, manures, and crop residues; the cereals, legumes and other field crops; use of hormones in weed control; better methods of tobacco production.

**Agriculture 201. Principles of Economics. Four hours.**

Prerequisite: Sophomore standing.

Economic organization; production and the forms of business units; consumption and the laws of price, money, banking and exchange; distribution of wealth and income.

**Agriculture 202. Elements of Forestry. Three hours.**

A brief survey of the fields of forestry; importance of forests to the national economy; tree growth; principal forest regions; the more important timber species; forest management practices; utilization and products; state and federal forestry programs; and forests of private industry.

**Agriculture 203. Farm Woodlot Management. Three hours.**

The principles of forestry applied to the management of farm woodlands; important forest trees of Kentucky and their utilization; tree structure and physiology; reproduction, management, and protection; the measurement of timber.

**Agriculture 213. Elementary Landscape Design. Three hours.**

The development and maintenance of lawns; selection, location, and care of deciduous and ornamental trees, herbaceous perennials, and evergreens; pruning and spraying of plants; planting of annuals, bulbs, and development of borders. Emphasis is placed on the use of suitable local materials, plants effective in the landscaping of school grounds, the rural church and cemetery.

**Agriculture 215. Horticulture. Three hours.**

Selection of site, location, etc.; adaptable commercial varieties; methods of planting the orchard; various systems of culture, fertilization and pruning; spraying for insects, disease and with the hormones preventing fruit drop; harvesting, storage and marketing.

**Agriculture 237. Poultry. Three hours.**

Survey of poultry industry; classification; anatomy and physiology; principles of breeding and practices; incubation and its problems; brooding and rearing principles and practices; feeding principles and practices; diseases and parasites; marketing eggs and birds; poultry farm management; turkey production and management.

**Agriculture 280. Agricultural Economics. Three hours.**

Prerequisite: Agriculture 201.

Development of agriculture and agricultural economics; farm population and farm life; price economy; geographic factors; in-

terest, wages, and profits; proportioning of land, labor, and capital; farm credit; land tenure; and cooperative marketing movements.

**Agriculture 301. Farm Management. Three hours.**

Farm management functions; large and small scale operations; one crop farms compared with specialized type farms; relation of the farm to the farm family welfare; location of various type farms and size of farms for successful operation; adjusting farm production to markets and prices; what constitutes successful farming; farm layouts; economy in use of machinery; farm credit; tenantry, various forms of farm leases; and farm records.

**Agriculture 302. Woodlot Farm Forestry. Three hours.**

Farm woodlot management principles; woodlot grazing; silvicultural practices; production of timber and wood pulp; portable mills; and watershed control.

**Agriculture 304. Genetics. Three hours.**

Prerequisite: Science 101, Biology 210 or 215.

History of genetics, gamete formation, segregation and recombination of factors, dominance, complementary and supplementary factors, inhibitor factors, sex-linkage factors, sex limited factors; linkage and cross over, and biometric methods. Implications of genetics for eugenics and euthenics.

**Agriculture 305. Marketing of Farm Products. Three hours.**

Prerequisites: Agriculture 201 and 280.

Development of geographical specialization; demand for farm products, human and industrial; supply; bringing supply and demand together; meeting fluctuations in market prices, cyclic and seasonal; hedging in futures; reducing costs of marketing such as grain, livestock and livestock products, horticultural products; use of cooperatives.

**Agriculture 311. Soil Conservation. Three hours.**

Importance and application of soil-conserving methods, types of machinery needed; planning and managing individual farms; soil mapping, plants used, etc.

**Agriculture 313. Advanced Landscape Design. Three hours.**

Prerequisite: Agriculture 213.

Woody plant materials used in planting design; identification of genera and species of deciduous and evergreen shrubs and ornamental trees; soil and site requirements; fertilization and mulching practices; propagation of important species; and techniques for the determination and control of plant pests and diseases.

**Agriculture 314. Plant Propagation. Three hours.**

Methods of propagation for annuals, perennials, bulbs and tubers, and woody plants; use of cold frames, hotbeds, and green-

houses; seed bed preparation and transplanting techniques in lath houses; construction of cold frames, lath houses and storage buildings.

**Agriculture 315. Small Fruits. Three hours.**

Geographical distribution of the industry; development of varieties and their characteristics; grape, strawberry, raspberry, blackberry, loganberry, boysenberry, gooseberry, currant, etc.; planting, care, harvesting, marketing; frozen fruits and varieties best suited.

**Agriculture 334. Agricultural Entomology. Three hours.**

Prerequisite: Science 101 or Biology 210.

General structure of insects, life histories, common orders, families; economic importance and common methods of control.

**Agriculture 336. Dairying. Three hours.**

Survey of the dairy industry in relation to numbers and national income; economics of the industry; important dairy breeds; types of dairy farming and breed selection; heredity and its use in improving animals; systems of breeding; purebred business; raising young stock, feeding and management; common diseases; market milk and its handling.

**Agriculture 337. Dairy Cattle Feeding and Management. Three hours.**

Comparison of breeds as economical dairy producers; adaptation to geographical areas; feeding and proper housing; judging; pedigrees; registration in its various forms; dairy farm equipment; use of hormones; pastures.

**Agriculture 384. Forage Crops. Three hours.**

Prerequisites: Agriculture 180 and Biology 215.

Importance and choice of forage crops; seeds and seeding; meadows, pastures, and principal grass forage crops; principal legume forage crops; sorghums, root crops, hay, silage, etc. Emphasis on those crops used in Kentucky agriculture.

**Agriculture 414. Plant Diseases. Three hours.**

Prerequisites: Biology 215 and 216.

Significance of plant disease; classification of fungi; diseases caused by rusts, smut, fleshy fungi, bacteria, and viruses; physiogenic diseases; principles and procedure in control of plant diseases; resistant varieties and cultural control. One lecture-discussion and four laboratory hours per week.

**Agriculture 415. Animal Nutrition. Four hours.**

Prerequisite: Chemistry 111.

Digestive systems of the various kinds of livestock; nutritive value of various kinds of feeds; their effect on animal and product;

compounding rations; vitamins; value of various kinds of pastures and legumes for forage; comparison of various kinds of silages.

**Agriculture 434. Plant Pests and Diseases. Three hours.**

Prerequisites: Agriculture 111, Biology 215, 334, and 414; and Chemistry 111.

Identification of plant insects, diseases, and environmental diseases; causal agents and symptoms; interrelationships of diseases and insects; primary and secondary infestations; endemic and epidemic infestations; plant-soil-water relationships; mineral nutrition levels and their effect on growth, reproduction, and development.

### ART

Mrs. Claypool

Mr. Young

**OBJECTIVES:**

1. To prepare teachers in modern methods of art instruction and to give them a working knowledge of art processes so that they may be able to guide and stimulate creative expression in children and help them to appreciate the creative work of others.
2. To discover talent among the students, to give the type of instruction necessary to develop this talent, and to furnish the type of art that will function in daily living.
3. To provide sound and basic experiences for those students who intend to continue with some form of creative work.
4. To help in building judgment and discrimination for those whose future role may well be that of patron instead of practicing artist.

**REQUIREMENTS:**

*For a Major:*

Sem. Hrs.

Art 101, 121, 161, 202, 221, 291, 263 or 264 or 465, 304, 311  
or 314, 381, 412 or 415, 413, and 471 ..... 28

*For a Minor:*

Art 101, 121, 161, 202 or 291, 221, 263 or 264 or 465, 311 or  
314, 341, and 471 ..... 20

*For an Area of Concentration in Art:*

Art 101, 121, 161, 202, 221, 263, 264, 291, 292, 303, 304, 311,  
314, 341, 381, 394, 412, 413, 415, 455, 465, 482, and 471.... 52

Note.—Students who are not working for a teaching certificate will be permitted to make substitutions for Art 121 and 221. These substitutions must be approved in advance by the department.

Art majors will find it beneficial to include the following subjects in their programs: Elementary Mechanical Drawing, History of Civilization, General Zoology, a foreign language, and psychology.



## SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their programs and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

## Provisional High School Certificate with an Area of Concentration in Art

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys.		P. E. 100b—Orientation in Phys.	
Ed.	$\frac{1}{2}$	Ed.	$\frac{1}{2}$
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Art 101—Drawing	2	Art 202—Composition and	
Art 121—Public School Art	3	Drawing	2
Sci. 101—Int. to Biological Science	3	Art 291—Color and Design	2
or		Sci. 102—Int. to Biological Science	3
Sci. 103—Int. to Physical Science	3	or	
I.A. 103—Elementary Mechanical		Sci. 104—Int. to Physical Science	3
Drawing	3	Art 161—Art Appreciation	3
P.E. 104—Personal Hygiene	2	Geog. 100—Fundamentals of	
		Geography	3
	$17\frac{1}{2}$		$17\frac{1}{2}$

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Introduction to		Eng. 202—Introduction to	
Literature	3	Literature	3
P. E. ....—Activity Course	$\frac{1}{2}$	P. E. ....—Activity Course	$\frac{1}{2}$
Ed. 210—Human Growth and		Ed. 211—Human Growth and	
Development I	3	Development II	3
Art 263—History of Arch. and		Art 264—History of Painting	3
Sculpture	3	Art 292—Costume Design I	2
Art 221—Advanced Public School		Sci. 104—Int. to Physical Science	3
Art	2	or	
Sci. 103—Int. to Physical Science	3	Sci. 102—Int. to Biological Science	3
or		Hist. 132—History of Civilization	3
Sci. 101—Int. to Biological Science			
I.A. 203—Advanced Mechanical			
Drawing	3		
	$17\frac{1}{2}$		$17\frac{1}{2}$

## JUNIOR YEAR

First Semester		Second Semester	
Ed. 333—Fund. of Elementary		Ed. 472—Fund. of Secondary	
Education	4	Education	4
Art 304—Figure Drawing and		Art 314—Water Color Painting I	2
Composition	2	Art 394—Stage Des. and	
Art 311—Oil Painting I	2	Marionette Prod.	3
Art 341—Crafts I	2	Art 482—Commercial Art II	2
Art 381—Commercial Art I	2	Geog. 331—Europe	3
Art 303—Studio Problems	2	Elective	2
P. E. 285—Community Recreation	2		
	16		16

## SENIOR YEAR

First Semester		Second Semester	
Ed. 325—Student Teaching	4	Ed. 375—Student Teaching	4
Art 413—Portrait Painting	2	Art 412—Oil Painting II	2
Art 415—Water Color Painting II	2	Art 455—Advanced Art	
Art 465—Modern and		Problems	3
Contemporary Art	3	Art 471—Seminar	1
Hist. 400—American Foundations	3	Elective	2
	14		12

**Provisional High School Certificate with the First Major in Art****FRESHMAN YEAR**

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys.		P. E. 100b—Orientation in Phys.	
Ed.	1½	Ed.	1½
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Art 101—Drawing	2	Art 161—Art Appreciation	3
Art 121—Public School Art	3	I. A. 103—Elem. Mechanical	
Sci. 101—Int. to Biological Science		Drawing	3
or	3	Sci. 102—Int. to Biological Science	
Sci. 103—Int. to Physical Science		or	3
Hist. 131—History of Civilization	3	Sci. 104—Int. to Physical Science	
P. E. 104—Personal Hygiene	2	Hist. 132—History of Civilization	3
	<u>17½</u>		<u>16½</u>

**SOPHOMORE YEAR**

First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
P. E. ....—Activity Course	½	P. E. ....—Activity Course	½
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Art 211—Advanced Public School Art	2	Art 202—Composition and Drawing	2
Art 263—History of Arch. and Sculpture		Art 291—Color and Design	2
or	3	Econ. 201—Principles of Economics	4
Art 264—History of Painting		Sci. 104—Int. to Physical Science	
Sci. 103—Int. to Physical Science		or	3
or	3	Sci. 102—Int. to Biological Science	
Sci. 101—Int. to Biological Science			
Second Major	3		
	<u>17½</u>		<u>17½</u>

**JUNIOR YEAR**

First Semester		Second Semester	
Art 311—Oil Painting I		Ed. 472—Fund. of Secondary Education	4
or	2	Art 381—Commercial Art	2
Art 314—Water Color Painting I		Art 304—Figure Drawing	2
Second Major	6	Second Major	6
P. E. 285—Community Recreation	2	Advanced Elective	3
I. A. 203—Adv. Mechanical			
Drawing	3		
Advanced Elective	3		
	<u>16</u>		<u>17</u>

**SENIOR YEAR**

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Art 412—Oil Painting II		Art 413—Portrait Painting	2
or	2	Art 471—Seminar	1
Art 415—Water Color Painting II		Second Major	3
Second Major	6	Hist. 400—American Foundations	3
	<u>12</u>		<u>13</u>

**DESCRIPTION OF COURSES****Art 101. Drawing. Two hours.**

Drawing with various media such as pencil, crayon, charcoal, and colored chalk; sketching—a study of textures, quick action sketches, contour drawings, figure composition, and drawing of the face; simple landscape sketches.

**Art 102. Creative Art. One hour.**

To give students who are afraid of the technical procedures of an art program the opportunity to engage in any type of art work

they choose. No marks are given in this course other than credit or no-credit. Whether credit is earned will be determined by the number of art products made and the earnestness of the student.

**Art 121. Public School Art. Three hours.**

A study of what art and art appreciation is; basic elements of art and the functioning of principles of design; philosophy and methods of teaching art in the elementary grades; materials and tools; selection and use of desirable art books for the grades; participation in individual and group activities suitable for the grades, both interrelated with school subjects and otherwise, such as drawing, painting, clay work, crafts, movies, puppet shows, bookmaking, feltograms, dioramas, descriptive and animated maps, murals, friezes, block printing, lettering, posters, and other school art activities. One day a week is spent in observing art being taught in the elementary grades in the Training School.

**Fine Arts 160. Appreciation of the Fine Arts. Two hours.**  
(Not open to art majors)

To make students aware of the relationship and the common core which permeates all of the arts; to help create the aesthetic emotional responses that contribute to the enjoyment of superior quality in art and music; and to orient the student to the fine arts through contact with some of the best works. Common expressions such as organization of form, rhythm, repetition, unity, harmony, and tonality are made meaningful through discussions, demonstrations, illustrations, slides, records, exhibitions, and musical performances.

**Art 161. Art Appreciation. Three hours.**

A study of the basic foundations of art and the functioning of principles of design on the elements of art to enhance the quality of the art product; the qualities that are essential to good art in any field; study of the best works produced in the creative periods of civilization and art in daily living such as—art in the home, furniture, pottery, ceramics, textiles, dress, graphic arts, civic art, landscape gardening, metal work, photography, advertising, flower arrangement, hairdress, stage design, woodwork, art of the book, glass and the best paintings, architecture, and sculpture of the creative periods.

**Art 202. Composition and Drawing. Two hours.**

Prerequisite: Art 101.

Composing forms for still life, landscapes, figures, and portraits in various media such as—charcoal, colored chalk, pastel, fresco, and tempera; a study of combining line, light and dark, form, color, texture, space, and direction to produce fine quality in creative expression.

**Art 221. Advanced Public School Art. Two hours.**

The philosophy and methods of teaching art to children in the intermediate and upper grades; a study of materials, media, and tools suitable for different grade and age levels; getting, making and using inexpensive and homemade materials and tools; actual work with creative art activities as outlined in Art 121.

**Art 263. History of Architecture and Sculpture. Three hours.**

A brief historical survey of architecture and sculpture of all the ages and a study of influences that produced them. Comparative studies are made; special reports are given by students; and critical consideration is given to selected works of the masters.

**Art 264. History of Painting. Three hours.**

Paintings are studied in their respective periods and schools and comparative studies of paintings of different periods are made. The effects of historical events, customs, and religious beliefs on the subject and methods of presentation are examined as well as the art structure.

**Art 291. Color and Design I. Two hours.**

Physical, psychological, and aesthetic aspects of color; study and application of the fundamental principles of design through lectures, exhibits, and creative work.

**Art 292. Costume Design. Two hours.**

Prerequisites: Art 101 or 304 and 291.

The fundamental elements of art, principles of design, and psychology in relation to dress; line, light and dark, form, color and texture as applied to the costume; personality, creative effects, and adaptive designing; history of costume as applied to modern dress; costume sketching in light and dark color.

**Art 303. Studio Problems. Two hours.**

Prerequisites: Art 101 and 202.

Planning and making such design problems as collages, mobiles, stabiles, wire sculpture, glass painting, and other special compositional problems in various mediums.

**Art 304. Figure Drawing and Composition. Two hours.**

Prerequisite: Art 101.

Study of the figure as a whole—proportion, essentials of artistic anatomy, the figure in action, rhythm; drawing from life model, and from memory; work in a variety of media.

**Art 311. Oil Painting I. Two hours.**

Prerequisites: Art 101, 121, and 202.

Experiments and investigation in painting; painting from model, still life, and landscape with emphasis on design. Studio and field work.

**Art 314. Water Color Painting I. Two hours.**

Prerequisites: Art 101 and 202.

Methods and materials; arrangement of the palette; composing and painting; still-life, portrait, figure, and abstract water color painting.

**Art 341. Crafts I. Two hours.**

Original designing and construction problems in leather, metal, jewelry, clay, pottery, and textiles; techniques such as tie-dye, batik, block and screen printing, marionette, puppet and mask making; craftwork that may be adapted to native materials of the local community; creative manipulation of cast-off materials; camp-craft. A selection of five different crafts is required.

**Art 381. Commercial Art I. Two hours.**

Prerequisites: Students planning to take this course will find Art 291 and 304 very helpful.

Color and design in commercial art; elementary psychological principles of advertising design; commercial art processes and mediums; reproductive processes; laboratory problems in lettering, advertising layout, dry brush drawing, lithograph, crayon and pencil drawing, cartooning, poster and sign painting.

**Art 383. Interior Decoration. Three hours.**

Prerequisite: Art 291.

Application of design principles to interiors through illustrated lectures, reports, and discussions; relationship of furniture and fixtures to the personality of the interior and the individual; making of original combinations of styles to suit individual purposes. Each student will take part in making miniature models of interiors.

**Art 394. Stage Design and Marionette Production. Three hours.**

Prerequisites: Art 121 and 291.

Art principles and their application to stage design; terminology; types of stage settings; making costumes; construction and decoration of stage scenery and properties; lighting; make-up; types of marionettes and puppets suitable for school use; adapting plays; modeling; constructing and manipulating the characters; making stages and producing plays with marionettes.

**Art 412. Oil Painting II. Two hours.**

Prerequisites: Art 101, 202, 304, and 311.

This course is a continuation of Art 311.

**Art 413. Portrait Painting. Two hours.**

Prerequisites: Art 101 or 202, 161 or 264, and 311.

At least three portraits will be painted during the semester; training in selection and use of paints and other materials; arrange-

ment of the palette; composition of the portrait; methods of framing the finished product.

**Art 415. Water Color Painting II. Two hours.**

Prerequisites: Art 101, 202 or 291, and 314.

This course is a continuation of Art 314.

**Art 442. Crafts II. Two hours.**

This course is a continuation of Art 341.

**Art 455. Advanced Art Problems. One to three hours.**

Prerequisite: Permission of the instructor.

Advanced students are given an opportunity for additional training in some special art field not provided by regular courses. Opportunity is also provided for research in art education, art history, painting, or techniques. One problem in etching is required.

**Art 465. Modern and Contemporary Art. Three hours.**

A survey of the painting, architecture, and sculpture from the time of the roots of modern art—Classicism, Romanticism, and Realism—to and including present-day art. A comparative study is made of the influences of the art of previous times on present-day art.

**Art 471. Seminar. One hour.**

Research papers, bibliographies, and round table discussions.

**Art 482. Commercial Art II. Two hours.**

Prerequisites: Art 101 and 381.

This course is a continuation of Art 381.

**Art 493. Costume Design II. Two hours.**

Prerequisites: Art 101 or 304, and 292.

Color and personal dress problems; color theory; textures and patterned materials as they affect the individual; corrective and structural designing for the figure; a closer study of personality traits and how they may be enhanced by dress; sketching in color; historic dress.

## **COMMERCE AND BUSINESS ADMINISTRATION**

Mr. Anderson

Miss Cox

Mrs. Byrd

Mr. Apel

### **OBJECTIVES:**

1. To prepare teachers of business subjects for the secondary schools of Kentucky.
2. To provide a vocational program as terminal education for students planning to enter business.
3. To supplement and broaden the general education programs of students by providing areas of training that cover basic principles of business useful in everyday living.



## PREPARATION FOR TEACHING

If the student wishes to concentrate his college work in a single area, he may complete the following curriculum in commerce in order to satisfy the college requirements for graduation. No other major or minor will be required, provided this program is followed, and the student will receive the Provisional High School Certificate valid in commerce upon graduation.

## AREA FOR BUSINESS TEACHERS

- 8 hours in Accounting 381, 382
- 14 hours in Secretarial Practice selected from: 211, 212, 213, 231, 232, 235, 238, 331, 332, 333
- 18 hours in General Business selected from: 101, 160, 221, 236, 360, 364, 450, 451, 461, 462, 464
- 4 hours in Materials and Methods selected from: 375, 475, 478
- 1 hour in Seminar 471
- 4 hours elective in Commerce
- 49 hours minimum

In selecting courses to fulfill the general and professional requirements for graduation the major in commerce must include in his program 9 hours of work in economics and geography which will include at least one "Principles" course in each field.

## MAJOR OR MINOR IN COMMERCE

Students wishing to use commerce as a second major or as a minor may satisfy the requirements by completing any one of the three programs listed below. It should be noted that completion of one of these specialized majors of 26 hours, or minors of 18 hours, does not earn for the student the Provisional High School Certificate valid in commerce. It provides for certification only in the business subjects in which adequate training has been received. A student taking a major in Secretarial Science would be certified to teach typewriting, shorthand, and secretarial or office practice, but would not be certified for bookkeeping, general business, salesmanship, business law or other business subjects. Since most business teachers in Kentucky teach in small high schools where they are expected to teach all the business subjects these programs are recommended only for those who plan to teach in some other field and who are using commerce merely to supplement or broaden their background in this field or for possible vocational use.

## REQUIREMENTS:

1. For a Major in Secretarial Science with teacher's certificate  
15 hrs. in Secretarial Subjects: 211 or 212, 213, 231, 232, 331  
2 hrs. in Materials and Methods: 375

3 hrs. in General Business: 221

6 hrs. elective selected from: 235, 238, 332, 333

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26 hrs. Minimum

For a Minor in Secretarial Science with teacher's certificate

12 hrs. in Secretarial Subjects: 211 or 212, 213, 231, 232

2 hrs. in Materials and Methods: 375

4 hrs. elective from: 221 or 235 and 237

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18 hrs. Minimum

2. For a Major in General Business with teacher's certificate

14 hrs. in General Business: 101, 221, 364, 450, 461

8 hrs. in Accounting: 381, 382

2 hrs. in Secretarial Subjects: 211 or 212

2 hrs. in Materials and Methods: 475

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26 hrs. Minimum

For a Minor in General Business with teacher's certificate

16 hrs. in General Business: 101, 160, 221, 236, 364, 450, 461

2 hrs. in Secretarial Subjects: 211 or 212

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18 hrs. Minimum

3. For a Major in Accounting with teacher's certificate

16 hrs. in Accounting chosen from: 381, 382, 480, 481, 482

6 hrs. in General Business chosen from: 101, 236, 364, 461

2 hrs. in Secretarial Subjects: 211 or 212

2 hrs. in Materials and Methods: 475

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26 hrs. Minimum

For a Minor in Accounting with teacher's certificate

12 hrs. in Accounting chosen from: 381, 382, 383, 480, 481

4 hrs. in General Business selected from: 101, 236, 364,

449, 450

2 hrs. in Materials and Methods: 475

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18 hrs. Minimum

#### PREPARATION FOR BUSINESS

Students preparing for business may elect a major in commerce with a second major in economics and sociology, or some other field, and secure a Bachelor of Arts Degree or they may secure a Bachelor of Science Degree with an area of concentration in business administration by completing the major requirements of 50 hours of work in economics, geography and commerce together with the general requirements for this degree.

*Requirements for a Major in Commerce and the Bachelor of Arts Degree:*

Commerce 160, 381, 382 and 461 .....	14 hrs.
Electives in commerce .....	10 hrs.
Minimum .....	24 hrs.

*Requirements for a Minor in Commerce and the Bachelor of Arts Degree:*

Commerce 381, 382 and 461 .....	11 hrs.
Electives in commerce .....	7 hrs.
Minimum .....	18 hrs.

*Requirements for the Bachelor of Science with an Area of Concentration in Business Administration:*

The curriculum is planned to provide the foundation of a liberal education and a background of business education in the first few years of the college program. It allows the student to find his major interest in the field of business so that 24 or 25 hours of electives are available for special training in this field of interest. It is planned to prepare the student for more than a mere clerical job upon the completion of his college training. After a short period of apprenticeship or training on the job the graduate should be prepared either for a junior executive position; to act in the capacity of a business specialist; or to assume the responsibilities of business ownership and management.

*College and Departmental Requirements:* Sem. Hrs.

English .....	15
Composition (6), Literature (6), Basic Speech (3)	
Science .....	12
Science 101, 102, 103 and 104 suggested	
Mathematics .....	10
College Algebra (4), Mathematics of Finance (3), and Statistics (3)	
Social Science .....	12
General Economics, Fundamentals of Geography, and American Foundations	
Health and Physical Education .....	4
Electives .....	24 or 25*

## MAJOR REQUIREMENTS:

	Sem. Hrs.
Ec. 149 Economic History of the U. S. ....	3
Com. 160 Introduction to Business .....	3
Com. 211 Beginning Typewriting .....	2
Com. 221 Business English .....	3
Geog. 211 Economic Geography .....	3
Ec. 304 Marketing .....	3
Com. 360 Business Organization .....	3
Com. 381-2 Principles of Accounting .....	8
Ec. 442 Money and Banking .....	3
Ec. 443 Investments .....	3
Com. 450 Salesmanship .....	3
Com. 461-2 Business Law .....	6
Com. 464 Office Management or an additional course in Accounting .....	3 or 4
Com. 481 Intermediate Accounting .....	4
	<hr/>
Total .....	50 or 51
	<hr/>
	128

\*To be selected with the approval of the department.

A number of students are enrolled in the department who have as their purpose the study of certain subjects until such skill and knowledge are gained as will qualify them for an office position. For these students we have provided a one-year and a two-year curriculum in which special emphasis is given to typewriting, shorthand, business English, business arithmetic, accounting, office machines and secretarial procedure and practice. This work is all on the college level and credit toward a degree is given on the completion of all courses.

## One-Year Secretarial Course

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys.		P. A. 100b—Orientation in Phys.	
Ed. Freshman Orientation	$\frac{1}{2}$	Ed. Com. 212—Intermediate	$\frac{1}{2}$
Com. 101—Business Arithmetic	1	Typewriting	
Com. 211—Beginning Typewriting	3	or	2
or	2	Com. 213—Advanced Typewriting	
Com. 212—Intermediate		*Com. 232—Intermediate Shorthand	4
Typewriting		or	
*Com. 231—Beginning Shorthand	4	Com. 331—Dictation and Tran-	3
or		scription	
Com. 232—Intermediate Shorthand	2	Com. 221—Business English	3
Com. 238—Filing	2	Com. 236—Clerical Office	
*Com. 235—Secretarial Office		Machines	2
Machines	2	P. E. 104—Personal Hygiene	2
	<hr/>		<hr/>
	17½		15½ or 16½

**Two-Year Secretarial or General Business Course****FIRST YEAR**

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys.		P. A. 100b—Orientation in Phys.	
Ed.	½	Ed.	½
Com. 101—Business Arithmetic	1	Com. 212—Intermediate	
Com. 211—Beginning Typewriting	3	Typewriting	
or		or	
Com. 212—Intermediate	2	Com. 213—Advanced Typewriting	2
Typewriting		*Com. 232—Intermediate Shorthand	4
*Com. 231—Beginning Shorthand		or	
or		Com. 331—Dictation and Tran-	
Com. 232—Intermediate Shorthand	4	scription	3
or		Com. 221—Business English	3
Com. 233—Filing	2	Com. 236—Clerical Office	
*Com. 235—Secretarial Office		Machines	2
Machines	2	P. E. 104—Personal Hygiene	2
	<u>17½</u>		<u>15½ or 16½</u>

**SECOND YEAR**

First Semester		Second Semester	
Com. 331—Dictation and		Com. 332—Sec. Procedure and	
Transcription	3	Practice	3
Econ. 201—Principles of		Econ. 202—Economic Problems	2
Economics	4	Com. 332—Principles of	
Com. 331—Principles of		Accounting	4
Accounting	4	*Com. 333—Applied Shorthand	2
Com. 213—Advanced Typewriting		Com. 333—Income Tax Procedure	4
or		P. E. ....—Activity Course	½
Com. 237—A and B Office	2	Com. 236—Office Machines	1
Machines			
P. S. 241—Government of the U.S.	3		
P. E. ....—Activity Course	½		
	<u>16½</u>		<u>16½</u>

\*Students interested in preparing for general clerical, accounting, or sales work may substitute courses with permission of the Head of the Department.

**SUGGESTED PROGRAMS**

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements.

**The Provisional High School Certificate with an Area of Concentration in Commerce****FRESHMAN YEAR**

First Semester		Second Semester	
Eng. 101—Writing and Speaking	1	Ed. 100—Orientation in Education	1
P. E. 100a—Orientation in Phys.		Eng. 102—Writing and Speaking	3
Ed.	½	P. E. 100b—Orientation in Phys.	
Com. 101—Business Arithmetic		Ed.	½
Sci. 101—Int. to Biological Science	3	Com. 160—Introduction to	
or		Business	3
Sci. 103—Int. to Physical Science	3	Sci. 102—Int. to Biological Science	
Geog. 100—Fundamentals of		or	
Geography	3	Sci. 104—Int. to Physical Science	3
Com. 211—Beginning Typewriting		Geog. 211—Economic Geography	3
or		Econ. 159—Economic History of	
Com. 212—Intermediate	2	the U. S.	3
Typewriting			
P. E. 104—Personal Hygiene	2		
	<u>17½</u>		<u>16½</u>

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Introduction to Literature	3
P. E. ....—Activity Course	$\frac{1}{2}$	P. E. ....—Activity Course	$\frac{1}{2}$
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or		or	
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Com. 212—Intermediate Typewriting	4	Com. 232—Intermediate Shorthand	4
or		or	
Com. 213—Advanced Typewriting	2	Com. 331—Dictation and Transcription	3
Com. 231—Beginning Shorthand	4	Com. 221—Business English	3
or		Ed. 211—Human Growth and Development II	3
Com. 232—Intermediate Short-hand			
Ed. 210—Human Growth and Development I	3		
	<hr/>		<hr/>
	15½		15½ or 16½

## JUNIOR YEAR

First Semester		Second Semester	
Com. 381—Principles of Accounting	4	P. E. 285—Community Recreation	2
Com. 375—Mat. and Meth. in Sec. Subjects	2	Ed. 472—Fund. of Secondary Education	4
Com. 331—Dictation and Transcription	3	Com. 382—Principles of Accounting	4
or		Com. 475—Mat. and Meth. in Bookkeeping and General Business	2
Com. 332—Secretarial Procedure and Practice	2	Com. 362—Consumer Education	3
Com. 364—Personal Finance	2	Core Curriculum	2
Econ. 201—Principles of Economics	4		
Elective	2		
	<hr/>		<hr/>
	17		17

## SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Com. 461—Business Law	3	Com. 462—Business Law	3
Com. 450—Salesmanship	5	Com. 471—Seminar	1
Core Curriculum		Hist. 400—American Foundations	3
		Elective	3
	<hr/>		<hr/>
	15		14

**Bachelor of Science Degree with an Area of Concentration  
in Business Administration**

(This program does not qualify for teaching)

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys.	$\frac{1}{2}$
Ed. ....—Freshman Orientation	1	Ed. ....	
Sci. 101—Int. to Biological Science	3	Com. 160—Introduction to Business	3
or		Sci. 102—Int. to Biological Science	3
Sci. 103—Int. to Physical Science	3	or	
Math. 151—College Algebra	2	Sci. 104—Int. to Physical Science	3
Econ. 149—Economic History of the U. S.	3	Math. 152—College Algebra	2
Geog. 100—Fundamentals of Geography	3	Geog. 211—Economic Geography	3
P. E. 104—Personal Hygiene	2	Com. 211—Beginning Typewriting	2
		or	
		Com. 212—Int. Typewriting	
	<hr/>		<hr/>
	17½		16½



## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Introduction to Literature	3
P. E. ....—Activity Course	$\frac{1}{2}$	P. E. ....—Activity Course	$\frac{1}{2}$
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Econ. 201—Principles of Economics	4	Econ. 202—Economic Problems	2
Sp. 280—Basic Speech	3	Math. 252—Mathematics of Finance	3
Foreign Language	3	Foreign Language	3
P. S. 241—Government of the United States	3	P. S. 242—State and Local Government	2
		Elective	2
	$16\frac{1}{2}$		$16\frac{1}{2}$

## JUNIOR YEAR

First Semester		Second Semester	
Com. 381—Principles of Accounting	4	Com. 382—Principles of Accounting	4
Econ. 304—Marketing	3	Com. 221—Business English	3
Math. 353—Statistics	3	Com. 360—Business Organization	3
Foreign Language	3	Foreign Language	3
Econ. 302—Labor Problems	3	Eng. 391—Practical Writing	3
*Elective	3	*Elective	3
	16		16

## SENIOR YEAR

First Semester		Second Semester	
Com. 461—Business Law	3	Com. 462—Business Law	3
Com. 481—Intermediate Accounting	4	Com. 450—Salesmanship	3
Econ. 442—Money and Banking	3	Com. 464—Office Management	3
Hist. 400—American Foundations	3	Econ. 443—Investments	3
*Elective	2	*Elective	3
	15		15

\* This program is also designed to provide courses which will enable the student to meet the educational requirements of the Kentucky accountancy law.

By taking eight of the elective hours in advanced accounting courses—Income Tax Procedure, Cost, or Advanced Accounting—a graduate may qualify for examination for a C.P.A. certificate after only two years of accounting experience with a public accountant, provided he meets the other requirements set forth in SBA 2-A of the State Board's regulations.

### Provisional High School Certificate with a First Major in Commerce

(This program will not qualify the student for general teaching in commerce. The holder of this certificate will be qualified to teach in his First Major and such commerce subjects as have comprised the Second Major. The First Major will be selected either in Secretarial Science, General Business, or Accounting.)

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
Freshman Orientation	1	Ed. 100—Orientation in Education	1
P. E. 100a—Orientation in Phys.		P. E. 100b—Orientation in Phys.	
Ed.	$\frac{1}{2}$	Ed.	$\frac{1}{2}$
*Sci. 101—Int. to Biological Science	3	*Sci. 102—Int. to Biological Science	3
or		or	
*Sci. 103—Int. to Physical Science	3	*Sci. 104—Int. to Physical Science	3
Geog. 100—Fundamentals of		Geog. 211—Economic Geography	3
Geography	3	Second Major	3
P. E. 104—Personal Hygiene	2	Commerce Major	3
Second Major	3		
	<hr/>		<hr/>
	15½		16½

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Introduction to Literature	3
P. E. —Activity Course	$\frac{1}{2}$	P. E. —Activity Course	$\frac{1}{2}$
Econ. 201—Principles of Economics	4	Econ. 202—Economic Problems	2
*Sci. 103—Int. to Physical Science	3	*Sci. 104—Int. to Physical Science	3
or		or	
*Sci. 101—Int. to Biological Science	3	*Sci. 102—Int. to Biological Science	3
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Second Major	3	P. E. 285—Community Recreation	2
	<hr/>	Second Major	3
	16½		16½

## JUNIOR YEAR

First Semester		Second Semester	
Core Curriculum	3	Educ. 472—Fund. of Secondary Education	4
Commerce Major	8	Core Curriculum	3
Second Major	6	Commerce Major	3
	<hr/>	Second Major	6
	17		16

## SENIOR YEAR

First Semester		Second Semester	
Educ. 375—Student Teaching	4	Educ. 475—Student Teaching	4
Hist. 400—American Foundations	3	Commerce Major	6
Commerce Major	6	Second Major	3
Second Major	3	Elective	1
	<hr/>		<hr/>
	16		14

\* If the second major is selected in science, the student should not enroll for these courses.

## DESCRIPTION OF COURSES

**Commerce 101. Business Arithmetic. Three hours.**

Fundamental processes; common fractions; decimal fractions; pay rolls; aliquot parts; percentage; interest; trade and cash discounts; profit and loss; market price; commission and brokerage; partial payments; installment buying; graphs; depreciation; insurance; stocks and bonds; taxes.

**Commerce 160. Introduction to Business. Three hours.**

Your business career; economic aspects of business; forms of business organization; business management; managerial controls (accounting, statistics, secretaryship); personnel management; labor-management relations; banking and finance; business risks and insurance; government regulations; production; marketing; distribution; transportation; retailing; advertising; selling.

**Commerce 111. Personal Typewriting. Two hours.**

This course is for non-business majors and minors who have not had previous training in typewriting. Business majors and minors should take Commerce 211 and 212.

The keyboard; operating parts of the machine; personal letters; simple business letters; themes; reports; composition at the typewriter; stencils; application letters; centering; and addressing envelopes.

Two demonstration-discussion periods and one laboratory period each week.

**Commerce 211. Beginning Typewriting. Two hours.**

This course is for business majors and minors. Students who have received one unit of high school credit in typewriting are not permitted to enroll in this course for credit. Such students should enroll for Commerce 212.

The keyboard; operating parts of the machine; vertical and horizontal centering; business letters; addressing envelopes; carbon copies; how to erase; tabulation; interoffice correspondence; business forms; telegrams; and manuscript writing.

Two demonstration-discussion periods and one laboratory period each week.

**Commerce 212. Intermediate Typewriting. Two hours.**

Tabulated reports; punctuation and placement of letters; business forms; business letter production; business letters with special parts; manuscript writing; special problems in letter arrangement and business forms; typing multiple carbons; stencil duplication; correcting copies; typing outlines; making changes on bound pages.

Two demonstration-discussion periods and one laboratory period each week.

**Commerce 213. Advanced Typewriting. Two hours.**

Prerequisite: Commerce 212.

Building speed and control; special communication forms; chain feeding envelopes; typing special notations; telegrams and cards; statistical reports; typing quotations, requisitions, orders and shipping forms; tabulations with special problems; stencil and hecto-

graph duplication; legal papers; production typewriting; employment tests for typists; and application letters.

Two demonstration-discussion period each week.

**Commerce 221. Business English. Three hours.**

Prerequisites: English 101 and Commerce 211 or equivalent.

Importance of good English in general, and of intelligence in business correspondence; various types of business letters and how to write them; and the elements, characteristics, and types of reports.

**Commerce 231. Beginning Shorthand. Four hours.**

The Gregg System of shorthand as outlined in functional manuals; alphabet, brief forms, phrases and abbreviations; beginning dictation and pre-transcription training. Five class periods per week.

**Commerce 232. Intermediate Shorthand. Four hours.**

Shorthand principles, phrases, abbreviations, and special forms; high frequency word drill; vocabulary building; daily speed practice designed to increase writing speed to better than 90 words per minute; development of transcription skills for the production of mailable transcripts. Five class periods per week.

**Commerce 235. Secretarial Office Machines. Two hours.**

Prerequisites: Commerce 211 and 212 or the equivalent.

Long-carriage typewriters; manual and electric typewriters; voice writing machines: Dictaphone and Sound-Scriber; duplicating machines: Mimeograph and Ditto; illuminated drawing boards.

**Commerce 236. Clerical Office Machines. Two hours.**

The 10-key adding listing machines; the full keyboard adding listing machine; the key-driven calculator; and the rotary calculator.

**Commerce 237A, 237B, 237C, 237D. Office Machines. One hour.**

Prerequisite to Commerce 237A and 237B: Commerce 235.

Prerequisite to Commerce 237C and 237D: Commerce 236.

237A The Dictaphone

237B Duplicating Machines

237C Rotary Calculators

237D Key Driven Calculators

**Commerce 238. Filing. Two hours.**

Indexing and filing rules; indexing and filing procedure; alphabetic correspondence filing; numeric filing systems; Triple-Check Automatic files; geographic correspondence filing; subject correspondence filing; charge methods and cross references; follow-up files; filing supplies and equipment.

**Commerce 331. Dictation and Transcription. Three hours.**

Prerequisites: Commerce 211, 212, 231, and 232 or equivalents.

Preview of principles, word forms and phrases; punctuation; use of dictionary and reference manuals; production of accurate and attractive transcripts.

**Commerce 332. Secretarial Procedure and Practice. Three hours.**

Prerequisite: Commerce 331.

Requirements for employment; duties of the secretary; securing employment; organization of office work; use of office reference books; financial records; preparation of business forms; daily dictation and transcription to increase both shorthand and transcription speed beyond employment standards.

**Commerce 333. Applied Shorthand. One to three hours.**

Prerequisites: Commerce 331 or the equivalent.

Special secretarial assignments in the various offices on the campus. After conferences with office heads, the instructor will assign remedial work for class so that upon completion of the course the student is qualified for employment. Two class periods per week or six hours of office work on secretarial projects when on assignment.

**Commerce 360. Business Organization. Three hours.**

Single proprietorship; partnerships; corporations; the combination movement; pools; trusts; mergers; holding companies; regulation and control of combinations.

**Commerce 362. Consumer Education. Three hours.**

Prerequisite: Economics 201.

Selection of consumer goods and services; buying habits; advertising and its value to the consumer; agencies for the advice or protection of the consumer; legislation affecting branding, labeling and other economic and industrial problems that affect standards of living.

**Commerce 364. Personal Finance. Two hours.**

Values; charge accounts; installment buying; borrowing money; budgeting; bank services; savings; insurance; home ownership; investments; taxes; and wills and trusts.

**Commerce 375. Materials and Methods in Secretarial Subjects. Two hours.**

Prerequisites: Commerce 211 and 212, or equivalent, 231 and 232.

Different methods of presentation; evaluation of textbooks; determination of standards; supplementary reading and collateral material available to the teacher; testing.

**Commerce 381. Principles of Accounting. Four hours.**

Prerequisite: Commerce 101.

Meaning and purpose of accounting; the balance sheet; the income statement; books of original entry; special journals; adjusting and closing entries; controlling accounts; the voucher system; partnership formation and operation; partnership dissolution; and business practices and procedures. Three lecture-discussion periods and two hours of laboratory work per week.

**Commerce 382. Principles of Accounting. Four hours.**

Prerequisite: Commerce 381.

Corporate accounts and records; corporate earnings; surplus and securities; accounting for manufacturing firms; cost accounting procedures; departmental and branch accounting; consolidated statements; budgets; and analysis of financial statements. Three lecture-discussion periods and two hours laboratory work per week.

**Commerce 383. Income Tax Procedure. Four hours.**

Prerequisites: Commerce 381 and 382.

Tax legislation—federal and state; returns for individuals, estates, partnerships and corporations; application of the principles of accounting.

**Commerce 450. Salesmanship. Three hours.**

The salesman's personality; the actual selling process; presentation of the sale; creation of demand; sales campaigns; selecting and training salesmen. In addition, each student prepares and delivers at least one sales talk before the class during the term.

**Commerce 451. Retail Merchandising. Three hours.**

Prerequisite: Commerce 450.

Establishing a store; store organizations; buying, pricing, and selling; planning and control; credit management; insurance; tax reports; and operating analysis.

**Commerce 461. Business Law. Three hours.**

The development of commercial law; procedure; the judicial system; torts and crimes applicable to business practice; contracts; agency; employer and employee relations; negotiable instruments; bailments; surety and guarantyship; insurance; sales; partnerships; corporations; personal and real property.

**Commerce 462. Business Law. Three hours.**

This course is a continuation of Commerce 461.

**Commerce 464. Office Management. Three hours.**

Function of the office; office systems; correspondence; office filing; office communications, mailing department; supervising office activities; supplies and their control; machines and appliances; office planning and layout; office personnel; office manuals; office reports; and budgetary control.



**Commerce 471. Seminar in Commerce. One hour. (Formerly Commerce 449)**

This course is designed to give students an opportunity to become familiar with the literature in the field of business education and to study special problems in connection with the commerce curriculum and the objectives of business education courses in the Junior and Senior High School.

**Commerce 475. Materials and Methods in Bookkeeping and General Business. Two hours.**

Prerequisites: Commerce 381 and 382.

Different methods of presentation; evaluation of texts; testing; determination of standards; supplementary reading and collateral material available to the teacher.

**Commerce 478. Materials and Methods in Distributive Education. Two hours.**

Prerequisites: Commerce 450 and 451.

Federal legislation; objectives; organization, supervision, and administration of distributive education programs; distributive occupations; courses of study and curricula in distributive education; requirements of distributive personnel; source materials and teaching procedures and practices in distributive education; distributive education and its relation to business education.

**Commerce 480. Cost Accounting. Four hours.**

Need and value of cost accounting; classifications; process and specific order; perpetual inventories; accounting for materials; material storage; consumption and valuation; labor costs; manufacturing expense; distribution of manufacturing expense; cost of sales; closing entries; analytical and comparative statements; charts; estimating cost systems; standard costs; auditing; legal phases of cost accounting.

**Commerce 481. Intermediate Accounting. Four hours.**

Prerequisite: Commerce 382.

The accounting process; statements from incomplete data; cash and receivables; inventories; investments; fixed assets; intangible assets and deferred charges; liabilities; capital stock; surplus; installment sales; errors and their correction; statement of application of funds; analysis of financial statements.

**Commerce 482. Advanced Accounting. Four hours.**

Prerequisite: Commerce 481.

Topics: Partnership formation and operation; dissolution and liquidation; joint ventures; consignments; agency and branch accounts; consolidated balance sheets; special problems in statement

construction and stock ownership; consolidated statement of profit and loss; statement of affairs; receivership accounts and statements; accounting for estates and trusts; actuarial science.

**Commerce 500. Foundations of Business Education. Three hours.**

Prerequisite: Graduate standing.

History, aims, and principles of business education; contribution of business education to general education; support of business education; curricula and courses of study; guidance in business education; teacher qualifications; supervision; public relations; and what business expects of business education.

**Commerce 501. Problems in Business Education. Three hours.**

Problems of the students enrolled in the course will be given primary consideration. Suggested topics: testing, guidance; job studies; placement and followup; layout and facilities; supervision; visual aids; utilization of community resources; and curriculum trends.

## **ECONOMICS AND SOCIOLOGY**

Mr. Carey

Mr. Woods

Mr. Fincel

### **OBJECTIVES:**

#### **A. In Economics**

1. To equip the potential high school teacher with material so that he may give suitable instruction in economics at that level of education.
2. To give the student a perspective of economic facts, processes, and issues necessary to his understanding of everyday life.
3. To provide a basic foundation for those desiring to do graduate work in economics.
4. To help prepare students for careers in law, government service, business and other professions.

#### **B. In Sociology**

1. To prepare students to teach this subject in high school, particularly as it is involved in the total program of the social studies.
2. To help the student to understand human society with all its backgrounds and inter-relationships of men and environment—to measure society's capacity for survival and progress—and to provide for him sound theory and basic facts which he may need for social guidance and planning.
3. To help prepare the student for a career in the scientific study of society, social work, law, teaching in institutions of higher learning, or other professions.

## REQUIREMENTS:

*For a Major in Economics and Sociology:* Sem. Hrs.

Economics 149, 201, 202 .....	9
Sociology 170, 201, 203 .....	8
Economics 471 or Sociology 471 .....	1
Advanced credit in economics or sociology .....	6
Total for a Major .....	24

*For a Minor in Economics and Sociology:*

Economics 201, 202 .....	6
Sociology 170, 201 .....	6
Advanced credit in economics or sociology .....	6
Total for a Minor .....	18

*For a Major in Sociology:* (Sociology can be used as a Major only for the degree without a teaching certificate. It will not be accepted as one of the required majors for the A.B. or B.S. degree with a certificate.)

Sociology 170 or 205, 201, 203, 305, 450, 471.....	14 or 15
Additional advanced credit in sociology .....	15
Total for a Major .....	29 or 30

*For a Minor in Sociology:*

Sociology 170 or 205, 201, 203, 305.....	10 or 11
Additional advanced credit in sociology .....	7 or 8
Total for a Minor .....	18

*For a Minor in Economics:*

Economics 201 and 202 .....	6
Additional credit in Economics approved by the department .....	12
Total for a Minor .....	18

*For an Area Major in Social Science:*

History 241, 242, 331, 332 .....	12
Additional advanced credit in history .....	6
Political Science 241 .....	3
Additional credit in political science .....	3
Sociology 201 .....	3
Additional credit in sociology .....	3
Economics 201, 202 .....	6
Geography 100 .....	3

One additional course in geography to be selected from:

241, 300, 320, 331, or 383 .....	3
Six hours elective from any of the social sciences.....	6
Seminar .....	1
Total for an Area Major .....	49

### SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

### Provisional High School Certificate with the First Major in Economics and Sociology

#### FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Speaking and Writing	3	Eng. 102—Speaking and Writing	3
P. E. 100a—Orientation in Phys. Ed.	½	P. E. 100b—Orientation in Phys. Ed.	½
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Soc. 170—Rural Sociology	3	Soc. 201—Introductory Sociology	3
Ec. 149—Economic History of the U. S.	3	Sci. 102—Int. to Biological Science	3
Sci. 101—Int. to Biological Science	3	Sci. 104—Int. to Physical Science	3
Sci. 103—Int. to Physical Science	3	Second Major	3
P. E. 104—Personal Hygiene	2	Core Curriculum	3
	15½		16½

#### SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Introduction to Literature	3
P. E. —Activity Course	½	P. E. —Activity Course	½
Ec. 201—Principles of Economics	4	Ec. 202—Economic Problems	2
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Second Major	3	Second Major	6
	16½		17½

#### JUNIOR YEAR

First Semester		Second Semester	
Ec. 339—Economic History of Europe	3	Ed. 472—Fund. of Secondary Education	4
Soc. 305—Cultural Anthropology	2	Ec. 302—Labor Problems	3
P. E. 285—Community Recreation	6	Ec. 304—Marketing	3
Second Major	3	Soc. 384—World Religions	3
Core Curriculum	3	Soc. 405—General Anthropology	3
*Elective	3	Second Major	3
	17	Core Curriculum	3
		*Elective	4
			17

First Semester		SENIOR YEAR		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4		
Ec. 441—Public Finance		Ec. 442—Money and Banking			
or		or			
Ec. 443—Investments		Ec. 483—Devel. of Economic Thought			
or		or			
Soc. 401—Criminology	3	Soc. 410—Studies in Basic Cultures	3		
or		or			
Soc. 403—The Family	3	Soc. 450—Social Philosophy			
Second Major	4	Hist. 400—American Foundations	3		
*Elective		Social Science Seminar	1		
		*Elective	3		
	14		14		

\*Consider Core Curriculum requirements when selecting these courses. A minimum of three hours of this elective work must be in 300 and/or 400 courses.

## DESCRIPTION OF COURSES

### ECONOMICS

**Economics 149. Economic History of the United States. Three hours.**

Early colonial commerce; development of transportation facilities—shipbuilding, turnpikes, canals, river transportation, railroads; credit and international commerce; the effect of warfare upon economics; modern economic theories.

**Economics 201. Principles of Economics. Four hours.**

Prerequisite: Sophomore standing:

Economic organization; production and the forms of business units; consumption and the laws of price, money, banking and exchange; distribution of wealth and income.

**Economics 202. Economic Problems. Two hours.**

Prerequisite: Economics 201.

The economics of government; international trade, investment, and payments; problems of labor; problems of American agriculture; transportation; contrasting economic systems.

**Economics 280. Agricultural Economics. Three hours.**

Prerequisite: Economics 201.

Development of agriculture and agricultural economics; farm population and farm life; price economy; geographic factors; interest, wages, and profits; proportioning of land, labor, and capital; farm credit; land tenure; and cooperative marketing movements.

**Economics 302. Labor Problems. Three hours.**

Prerequisite: Economics 201 or 202 or upper division standing.

Organized labor; labor legislation; the capitalistic regime; economic inequality; standards of living; industrial conflicts; state control and regulation.

**Economics 304. Marketing. Three hours.**

Prerequisite: Economics 201.

Raw materials and products; organized exchange; analysis of market; market price; manufactured products; warehouses; co-operative societies; distribution organizations.

**Economics 325. Economics for Teachers. Three hours.**

(Offered only by extension. Should not be taken by a student who has credit for Economics 201.)

The principles of production, emphasizing types of business organization; consumption, stressing price and price making mechanisms; distribution, accenting personal shares of the total income; various problems of money, labor, and democracy versus the many "isms."

**Economics 339. Economic History of Europe. Three hours.**

Prerequisite: Upper division standing.

Medieval and early modern backgrounds; agriculture, industry, and trade from the Napoleonic Wars to the First World War; labor legislation and organization to 1914; the First World War and its aftermath; economic experiments in Europe.

**Economics 441. Public Finance. Three hours.**

Prerequisite: Economics 201.

Public expenditures; public revenues; taxation; public credit; financial administration of government.

**Economics 442. Money and Banking. Three hours.**

Prerequisite: Economics 201.

Credit and banking; nature of credit—personal credits, bank credit; bank reserves; bank notes; state banks; the national banking system; the federal reserve system—member banks, gold reserve; money market.

**Economics 443. Investments. Three hours.**

Prerequisite: Economics 201.

Corporation bonds; bonds secured by land or real estate; civil obligations; interest; the influence of market upon price of stocks and bonds.

**Economics 471. Seminar. One hour.**

Prerequisites: Twelve hours in economics and senior standing.

The purpose of this course is to promote group discussion of problems, methods of investigation, and theory in the social sciences. Current social science periodicals and reports are used as bases for study and discussion.

**Economics 483. Development of Economic Thought. Three hours.**

Prerequisite: Open to senior majors in economics and sociology.

Economic contributions of the ancient Hebrews, Greeks and



Romans; the early scholastics; mercantilists; physiocrats; Adam Smith; Ricardo; the socialists; and recent economic thought.

## SOCIOLOGY

### **Sociology 170. Rural Sociology. Three hours.**

Rural and urban contrasts in ways of life; patterns of rural settlement; types of rural communities; studies in rural population and migration; patterns of social interaction; rural social institutions — economic, school, church, family, government; social pathology and welfare; rural health, medical services and facilities. Special emphasis is laid on rural life in Kentucky and surrounding areas.

### **Sociology 201. Introductory Sociology. Three hours.**

Man and culture; studies in human personality and individual behavior as members of a group; heredity versus environment; social interaction patterns; forms of group behavior and group classifications; races of man and their social significance; communities; social institutions; social change and invention; and social control.

### **Sociology 203. Contemporary Social Problems. Two hours.**

Problems concerning environment; wealth, poverty; population; mental efficiency; race; the family; child welfare; public opinion; crime and delinquency; and others.

### **Sociology 205. Social Institutions. Two hours.**

Factors and resources upon which man's social institutions are founded; cultural heritage of the Western World; marriage and the family; economic institutions; education; recreation; science; religion; government; institutional processes; future of western culture.

### **Sociology 302. Population Problems. Two hours.**

Population theories; reproductive behavior; differential birth rate; determinants of length of life; sex, age and race in population composition; socio-cultural factors in distribution of population; internal and international migration; national population policy.

### **Sociology 305. Cultural Anthropology. Three hours.**

Cultural horizons; patterns of man's cultural development; primitive hunting, domestication of animals, farming, trade and transportation; art; social institutions; social organizations; government and law; religion and magic; knowledge and science; invention, diffusion, convergence, as seen among American Indian tribes, African Negro tribes, Eskimo and others. Recommended as basic to all social sciences.

**Sociology 351. Social Organizations. Two hours.**

Principles of grouping; economic determinism; kinship; marriage; property; law; descent groups; social strata; clubs and societies; the state; social organizations in action.

**Sociology 354. Social Psychology. Three hours.**

Animal social psychology; social functions of language; theories of human nature; dependable motives; emotional behavior; individual and class differences; racial differences; the individual in the group; culture and personality; personality problems; social factors in abnormality; social factors in delinquency and crime.

**Sociology 384.—World Religions. Three hours.**

Religions of primitive peoples; religions of Egypt and Babylonia; religions of India; Confucianism; Taoism; Shinto; Zoroastrianism; Judaism; Christianity; Mohammedanism; comparative religions.

**Sociology 401. Criminology. Three hours.**

Nature and significance of crime; history of criminological thought; the explanation of crime; personality traits and crime; Negro and crime; juvenile delinquency; criminal law; criminal courts; prison history; new movements in prison reform; treatment of the juvenile delinquent; crime prevention.

**Sociology 402. Immigration Processes and Minority Groups. Three hours.**

Immigration legislation; Old and New Immigration; American Negro; minority groups; racial and cultural conflicts; acculturation, assimilation and integration of the immigrant.

**Sociology 403. The Family. Three hours.**

Historical survey of the family; mate selection; courtship; adjustment problems in marriage; problems of parenthood; family administration; sex education.

**Sociology 405. General Anthropology. Three hours.**

Physical development of man; problems of race; critical treatment of racial and linguistic classifications; culture centers of the Old and the New Worlds and their influence on contemporary and later civilization; specific problems in independent invention, diffusion, and convergence; archaeological discovery. Recommended as basic to all social sciences.

**Sociology 410. Studies in Basic Cultures. Three hours.**

Cultures of Egypt, Babylonia, Assyria, Palestine, India, China, Greece, Rome, and others. Application of analyses to western cultures and civilizations. At the option of the class any one of these cultures may be selected for study for an entire semester thus

giving greater insights into the particular configuration studied, or the class may desire to study a number of cultures with less intensity.

**Sociology 450. Social Philosophy. Three hours.**

Social philosophies of Plato, Aristotle; Roman and Medieval thinkers; influence of the church; early modern philosophies; Voltaire and Rousseau; German thinkers: Kant, Hegel, Nietzsche; racial, economic and geographical philosophies; Comte, Spencer, Ward; contemporary social thought.

**Sociology 471. Seminar. One hour.**

The purpose of this course is to promote group discussion of problems, methods of investigation, and theory of the social sciences. Current social science periodicals and reports are used as bases for study and discussion.

**Sociology 500. Independent Research. One to four hours.**

Qualified students may arrange with the staff for individual work on some particular sociological problem. Credit hours will depend on the quality and quantity of achievement by the student.

## EDUCATION

Mrs. Anderson	Miss Minish	Mr. Walter
Miss Caudill	Miss Moore	Mrs. Waltz
Mrs. Day	Miss Nollau	Mrs. Whitaker
Mr. Denney	Mrs. Northcutt	Mr. Wicker
Miss Evans	Mrs. Rice	Mr. Wilson
Mrs. Graves	Mr. Roberts	Mr. George Young
Mr. Lappin	Miss Smelley	
Mr. McShea	Mr. Tant	

**OBJECTIVES:**

1. To aid students in developing a clear understanding of growing boys and girls.
2. To aid prospective teachers in learning how to use subject matter, within the total environment of boys and girls, so that the most desirable, wholesome, and well-rounded individuals possible will result.
3. To discover and encourage the best possible candidates for preparation as teachers.

**REQUIREMENTS:** (Specific professional requirements for elementary and secondary certificates.)

For the Provisional Elementary Certificate:	Sem. Hrs.
Education 100, 210, 211, 227, 321, 326, 333, 325, 420,	
425 .....	31

For the Provisional High School Certificate:

Education 100, 210, 211, 375, 472, 475 ..... 19

### SUGGESTED PROGRAM FOR ELEMENTARY TEACHERS

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

### Provisional Elementary Certificate and Degree

#### FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Speaking and Writing	3	Eng. 102—Speaking and Writing	3
P. E. 100a—Orientation in Phys. Ed.	½	P. E. 100b—Orientation in Phys. Ed.	½
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
or		or	
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Mus. 100—Rudiments of Music	3	Art 121—Public School Art	3
or		or	
Art 121—Public School Art	3	Mus. 100—Rudiments of Music	3
Hist. 131—History of Civilization	3	Hist. 132 History of Civilization	3
P. E. 104—Personal Hygiene	2	Soc. 170—Rural Sociology	3
	15½		16½

#### SOPHOMORE YEAR

First Semester		Second Semester	
P. E. —Activity course	½	P. E. —Activity Course	½
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Ec. 201—Principles of Economics	4	Ed. 227—Literature for Children	3
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or		or	
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
F. A. 160—Appreciation of the Fine Arts	2	Geog. 100—Fundamentals of Geography	3
Ag. 101—General Agriculture	3	Sp. 280—Basic Speech	3
	15½	Mus. 221—Music for the El. Teacher	2
		or	
		Art 221—Advanced Public School Art	3
			17½

#### JUNIOR YEAR

First Semester		Second Semester	
Ed. 326—Teaching of Reading	3	Ed. 321—Teaching of Arithmetic	3
Ed. 333—Fund. of Elem. Education	4	Geog. 300—Regional Geog. for El. Teachers	3
Art. 221—Advanced Public School Art	2	H. E. 302—Nutrition for El. Teachers	2
or		P. E. 320—Games for Elementary Schools	2
Mus. 221—Music for the El. Teacher	3	Eng. —Advanced Elective	3
Dram. 283—Elementary Dramatics	3	Science Elective	3
P. S. 241—Government of the U. S.	3		
*Elective	2		
	17		16

#### SENIOR YEAR

First Semester		Second Semester	
Ed. 325—Student Teaching	4	Ed. 425—Student Teaching	4
Hist. 400—American Foundations	3	Ed. 420—Prin. and Prac. in El. Educ.	3
Eng. —Advanced Elective	3	*Elective	8
*Elective	5		
	15		15

\*A minimum of 5 hours of the elective work must be in 300 and/or 400 courses.

**DESCRIPTION OF COURSES****Education 100. Orientation in Education. One hour.**

(Required of all freshmen who expect to qualify for any teaching certificate.)

Essential understandings concerning the organization of the American school system; support for public education; opportunities and requirements in teaching as a professional activity; and opportunities and requirements in special teaching fields. Offered during the second semester each year.

**Education 153. General Psychology. Three hours.**

The content of this course emphasizes the following topics: psychology as a science; the various systems of psychology; heredity; behavior organisms; emotional behavior; the neural system; intelligence and individual differences; mental growth, intelligence tests, and methods of testing; applications of the various psychological theories.

**Education 210. Human Growth and Development I. Three hours.**

(Required of all candidates for certification.)

This course deals with the physical, social, emotional, and intellectual growth and development of children and adolescents.

**Education 211. Human Growth and Development II. Three hours. (Required of all candidates for certification.)**

Prerequisite: Education 210.

A continuation of Education 210.

**Education 227. Literature for Children. Three hours. (Also Library Science 227).**

Prerequisite: English 102.

Includes the periods of story-interests; literature for each period including myths, legends, folklore, etc.; correlation of literature with other school subjects; and methods of presenting literature that will give enjoyment to children and develop appreciation. Extensive reading of the literature and observation lessons in the Training School are required.

**Education 280. Problems in Rural Education. Three hours.**

(Offered only by extension.)

This course is designed to meet the specific needs of the students who enroll, particularly of in-service teachers. Problems and activities are selected according to the conditions prevailing in the local school system.

**Education 320. Improvement of Instruction in the Elementary School. Three hours. (Offered only by extension.)**

Prerequisite: Experience as a teacher.

Emphasizes the cooperative building of a school philosophy and

the accompanying objectives of education; cooperative and self-supervision of instruction; selection of supplementary materials and problems of curriculum organization; effective staff relationships; and pertinent problems concerning instruction and management.

**Education 321. Teaching of Arithmetic. Three hours.**

Essential concepts of the subject; effective presentation of number material to the learner; necessary drills to insure competency in the fundamental computational skills; emphasis on functional arithmetic.

Frequent observations are required in order to evaluate the best modern teaching practices.

**Education 325. Supervised Student Teaching. Four hours.**

Prerequisites: a. The attainment of a scholastic standing of two or "C" in all courses completed at the time student teaching begins; b. completion of the professional education courses prerequisite to student teaching—Education 100, 210, 211, 227, 321, 326, and 333—; c. completion of a minimum of 90 semester hours of work; d. at least one semester of residence credit earned at this college; and e. permission of the Committee on Teacher Training.

Each student teacher is assigned to a two-hour block in the Training School during which time observation, participation, and teaching is done. The student teaches a minimum of 45 clock hours. The remainder of the time is spent in observing, participating, testing, counseling, organizing material, and participating in other professional activities. Teaching may be done in any of the elementary grades.

Daily conferences are held with the critic teacher and a group conference is held once each week with the director of the training school. Attendance and participation in school activities and certain faculty meetings are also required.

During a summer term each student is assigned a three-hour block. Only those students who have had teaching experience are permitted to do student teaching during a summer term.

**Education 326. Teaching of Reading. Three hours.**

Motivation of reading; mechanics of reading; special methods; diagnosis and treatment of difficulties; psychological investigations of reading; and the relationship of reading ability to success in other subjects.

**Education 333. Fundamentals of Elementary Education. Four hours.**

The purpose and origin of the elementary school; problems of school organization, management, extra-curricular and community relationships; testing and record keeping; guidance and counseling



of elementary pupils; methods of teaching the social studies, science, elementary art and music, health and recreation, and language arts. Systematic observation of all phases of instruction is an integral part of the course.

**Education 360. History of Education. Three hours.**

Education in ancient, medieval, and modern periods; early American backgrounds; early campaigns for the improvement of instruction and teacher training; the development of present practices; great educators of each period and their contributions.

**Education 374. Improvement of Instruction in the Secondary School. Three hours. (Offered only by extension.)**

Prerequisite: Experience as a teacher.

Emphasizes the cooperative building of a school philosophy and the accompanying objectives of education; cooperative and self-supervision of instruction; selection of supplementary materials and problems of curriculum organization; effective staff relationships; and pertinent problems concerning instruction and management.

**Education 375. Supervised Student Teaching. Four hours.**

Prerequisites: a. The attainment of a scholastic standing of two or "C" in all courses completed at the time student teaching begins; b. a minimum standing of 2.5 on all work completed in the field in which teaching is to be done; c. completion of the professional education courses prerequisite to student teaching—Education 100, 210, 211, and 472—; d. completion of a minimum of 16 semester hours in the field in which the student is to teach; e. completion of a minimum of 90 semester hours of work; f. at least one semester of residence credit earned at this college; g. permission of the Committee on Teacher Training.

Each student teacher is assigned to a two-hour block in the Training School during which time observation participation and teaching is done. The student teaches a minimum of 45 clock hours. The remainder of the time is spent in observing, participating, testing, counseling, organizing material, and participating in other professional activities.

Daily conferences are held with the critic teacher and a group conference is held once each week with the director of the training school. Attendance and participation in school activities and certain faculty meetings are also required.

During a summer term a student is assigned to a three-hour block.

**Education 381. Measurement Principles and Techniques. Three hours.**

The administration and interpretation of interest and personality inventories; tests of intelligence, mechanical ability, space

relations, reading, hearing, and vision; also aptitude testing in its various forms.

This course involves one hour of conference per week with the instructor and the remainder of the work is done in the Testing Bureau.

**Education 382. Audio-Visual Aids in Instruction. Three hours.**

History and basic philosophy of multi-sensory instructional materials; role of the teacher in perceptual learning; non-projected materials for learning; operation, maintenance and evaluation of audio-visual aids; sources of materials.

**Education 420. Principles and Practices in Elementary Education. Three hours.**

This course is a continuation of Education 333 and is designed to aid prospective teachers in rounding out their understanding of the total elementary school and its program.

**Education 423. Curriculum Development. Three hours.**

(Offered only by extension.)

Problems involved in the selection and organization of learning experiences in the various subject-matter areas; techniques of curriculum making and improvement. Attention is directed specifically to the local situation.

**Education 425. Supervised Student Teaching. Four hours.**

A continuation of Education 325.

**Education 425S. Supervised Student Teaching. Four hours.**

Prerequisites: Four hours of credit in student teaching; three years of successful teaching experience within the last ten years; completion of a minimum of 90 semester hours of college credit; attainment of a scholastic standing of two (average of "C") on all work completed at the time of enrollment for the course; at least one semester of residence credit earned at this college; and permission of the Committee on Teacher Education.

Two class periods a day are required and, in addition, each enrollee is expected to leave a period vacant in his schedule for special assignments and activities in the Training School.

The experiences provided are designed to meet the needs of the members of the group. They are selected from the entire range of teaching activity except that classroom teaching is omitted. Possible topics for attention are—observation, testing, experience with audio-visual aids, remedial and individual instruction, making case studies, study of child behavior, reading on current general and professional topics, developing resources and aids to learning, evaluation, professional relations, etc.

**Education 472. Fundamentals of Secondary Education. Four hours.**

Prerequisites: Education 100, 210, and 211 or the equivalent.

The functions and organization of the secondary school; principles, methods, and techniques of teaching including unit construction and lesson planning; evaluating activities; the use of illustrative materials and supplementary aids; professional activities of the teacher; and successful community relationships.

**Education 475. Supervised Student Teaching. Four hours.**

This course is a continuation of Education 375.

**Education 475S. Supervised Student Teaching. Four hours.**

The same as 425S except that the experiences provided are selected to meet the needs of high school teachers.

**Education 476. Reading in the Secondary School. Three hours.**

The need for reading instruction in the high school; causes of retardation and types of difficulties; remedial measures; materials for instruction; and administrative problems involved.

Observation and analysis of actual cases constitute an important part of the course.

**GRADUATE COURSES**

Morehead State College offers training at the graduate level for four types of positions. These are—

1. School Administration
  - a. Superintendency
  - b. Principalship
2. School Supervision
3. Elementary School Teaching
4. High School Teaching

The following programs have been arranged to make it possible for students to receive the A.M. in Education and at the same time qualify for necessary certification:

**The A.M. in Education and the certificate for the superintendency:**

\*Required: Education 500, 528, 530, 540, 560, 571, 580, 584,  
591 ..... 23

To be selected with the approval of  
the student's committee ..... 7

Minimum for the degree ..... 30

**The A.M. in Education and the certificate for the principalship:**

\*Required: Education 500, 556 or 381, 520 or 570, 530,  
560, 571, 580, 594 ..... 19 or 20

To be selected with the approval of the student's  
committee ..... 10 or 11

Minimum for the degree ..... 30

**The A.M. in Education and the certificate for supervision:**

*Required: Education 500, 381 or 557, 527, 530, 540, 554 or 580, 560, 571 .....	18 or 20
To be selected with the approval of the student's committee .....	10 or 12
Minimum for the degree .....	30

**The A.M. in Education for elementary teaching:**

*Required: Education 500, 520, 530, 571, 580 .....	11
The remainder of the work is selected with the approval of the student's graduate committee .....	19
Minimum for the degree .....	30

**The A.M. in Education for high school teaching:**

*Required Education 500, 530, 570, 571, 580 .....	11
The remainder of the course work is selected with the approval of the student's graduate committee. A minimum of 15 hours of credit must be earned in the courses numbered 500 or above and the student is urged to take approximately 15 hours in his teaching field or fields .....	19
Minimum for the degree .....	30

\*If the student has received credit for any of the required courses at the undergraduate level he substitutes another course in his graduate program.

**Education 500. Research Methods in Education. Two hours.**

Selection, delimitation, and statement of a research problem; techniques of bibliography building; methods of organization; recognized methods of investigation; and style-standards for research writing. Strongly recommended for all beginning graduate students.

**Education 520. Research Problems in Elementary Education. Two hours.**

Prerequisite: Education 500.

The intensive investigation and treatment of one or more significant problems in the field of elementary education. Problems are selected with regard for the needs and interest of the students.

**Education 527. Diagnostic and Remedial Techniques. Two hours.**

Diagnostic testing; the causes of retardation; specific disabilities in school subjects; behavior problems; cumulative record keeping; case studies; and remedial techniques.

**Education 528. School Law. Three hours.**

The state's responsibility for education; legal safe-guards on school funds; status of the local school district; responsibilities of

school boards and officials; liability of school boards and officers; legal provisions affecting school personnel, attendance, discipline, text-books and courses of study. Emphasis on the Kentucky Code.

**Education 530. The Curriculum. Three hours.**

Evaluation of past and present curricular aims and practices in the twelve-grade school; organization and development of the curriculum program in the local school system; research, evaluation, and experimentation in curriculum development; conditions of effective group endeavor.

**Education 540. Problems of the Superintendent. Three hours.**

Business organization and procedure; budget making and finance; the board of education; school plant construction and maintenance; transportation; personnel administration; organization for supervision and curriculum development.

**Education 550. Psychology of Childhood. Two hours.**

General principles of child development; influences affecting physical, mental and emotional growth; the child and the community; development of memory; imagination and creative ability; social and personality development; conflict and aggression; cooperation and friendship.

**Education 552. Psychology of Adolescence. Two hours.**

The meaning and significance of adolescence; physical, emotional, social, and mental growth; adolescent interests; home, school and community problems of the adolescent; personality development.

**Education 554. Psychology of Learning. Two hours.**

Prerequisite: Six hours of psychology.

The fundamental principles of learning including acquisition, retention, forgetting, problem solving and symbol formation; experimental studies; and the application of principles to practical problems in habit formation, development of skills, remembering and logical thinking.

**Education 555. Psychology of Exceptional Children. Two hours.**

Prerequisite: Six hours of psychology.

The psychology and treatment of children having superior or inferior mental ability; and the general methods of facilitating the growth and development of children who are hard of hearing, defective in vision, or defective in speech.

**Education 556. Guidance and Counseling. Two hours.**

History and development of the guidance movement; the place of the specialist; guidance and the teacher; present status of guid-

ance; meeting the needs of the individual school; objectives and types of guidance.

**Education 557. Mental Measurements. Two hours.**

Types of psychometric scales used to measure mental ability and the purpose and scope of each. Special emphasis on the Wechsler-Bellvue and Stanford-Binet scales.

**Education 558. Mental Health. Two hours.**

The principles of biosocial development of children with an approach to understanding the factors influencing the child's emotional health and focusing attention on the meaning and importance of mental hygiene in the classroom. The mental health point of view; development and behavior of children; communication; group dynamics; the mental hygiene aspects of the prevailing philosophies of education; the role of the school in providing a more beneficial environment for children; diagnosis and evaluation of the development of mental health in the schools.

**Education 560. Supervision. Three hours.**

Nature and scope of supervision; principles governing the supervisory process; planning supervisory programs; facilitating teacher growth; improving the curriculum; the use of instructional materials; evaluation of instruction; and remedial programs.

**Education 570. Research Problems in Secondary Education. Two hours.**

Prerequisite: Education 500.

The intensive investigation and treatment of one or more significant problems in the field of secondary education. Problems are selected with regard for the needs and interests of the student.

**Education 571. Graduate Seminar in Education. One hour.**

Individual research projects and theses; reviews of current educational research; and significant problems in education.

This course may be taken more than one semester on recommendation of the student's graduate committee.

**Education 580. History and Philosophy of Education. Three hours.**

Beginnings of the American system of education; various theories of education; impending changes in American education; problems challenging education today; philosophies of learning.

**Education 582. Audio-Visual Aids Seminar. Two hours.**

Prerequisite: Education 382 or the equivalent.

The use of audio-visual aids in the improvement of instruction; psychological aspects of the program; current trends in the field; and utilization of audio-visual equipment. Emphasis on individual problems.



**Education 584. School Finance. Three hours.**

State school support; apportionment of state funds; sources of school revenue; the local school unit and finance; Federal aid for education; and administrative control of school funds—budgeting and accounting.

**Education 591. The School and the Public. Two hours.**

Organization for effective public relations; educational publicity; the techniques of group dynamics; essential elements of the school-community partnership; school and community surveys; school services for adults; special programs and projects.

**Education 594. The Principalship. Three hours.**

The organization of the twelve-grade school; school building maintenance and operation; record keeping and office routine; schedule making; guidance programs; the teaching staff; extra-curricular programs; administration of pupil personnel; and public relations.

**LANGUAGES AND LITERATURE**

Mr. Miles  
Mr. Banks

Mr. Long  
Mrs. Moore  
Mr. Covington

Mr. Stewart  
Mr. Lacefield

**ENGLISH****OBJECTIVES:**

1. To make a significant contribution to the general education of all students by—
  - a. Helping them improve their written and spoken English so that they may use the language clearly and effectively.
  - b. Acquainting them with literature so that they may better understand themselves and other people, and may have resources within themselves for enjoying and enriching their own lives and those of their families and communities.
  - c. Reaching and developing some of their creative abilities.
2. To develop teachers of English who will be able to present this subject effectively in the secondary schools.
3. To provide an adequate foundation for the study of English at the graduate level.

**REQUIREMENTS:***For all Degrees:***Sem. Hrs.**

English 101 (or 101F or 101L) and 102 .....	6
English 201 and 202 (with certain exceptions) .....	6
Minimum for all degrees .....	12

*For a Major:*

English 101F or 101L and 102 .....	6
English 201 and 202 .....	6
Advanced courses: Juniors—English 332, 341, 434 and 435 .....	12
Seniors—English 393 and 436 .....	6
Minimum for a Major .....	30

*For a Minor:*

The same as for a major less six hours in advanced courses .....	24
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*For an Area of Concentration:*

English 101, 102, 201 and 202 .....	12
Advanced literature approved by the department .....	18
Dramatic art, speech, journalism or literature .....	18
Minimum for an Area of Concentration .....	48

**Recommendation for Students Who Are Not Majoring in English:**

Students who read well are advised to follow the same sequence of courses in the freshman and sophomore years that is required for majors.

**Recommendations for Students Majoring in English:**

1. Since high school English teachers must divide their time about equally between literature and language, majors are required to balance their literature courses with English 393 — Advanced Grammar — with its prerequisite of at least six semester hours in a foreign language.
2. To facilitate the scheduling of Student Teaching in the senior year, major students should enroll for six hours of English each semester of the junior year.

**SUGGESTED PROGRAMS**

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically, but close adherence to them will aid the student in meeting all requirements for graduation.

**Provisional High School Certificate with the First  
Major in English**

**FRESHMAN YEAR**

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	½	P. E. 100b—Orientation in Phys. Ed.	½
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Hist. 131—History of Civilization	3	Hist. 132—History of Civilization	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
or		or	
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Foreign Language	3	Foreign Language	3
P. E. 104—Personal Hygiene	2	Second Major	3
*Elective	2		
	<hr/> 17½		<hr/> 16½

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 202—Int. to Literature	3	Eng. 294—Literature for Writers	3
P. E. Activity Course	$\frac{1}{2}$	P. E. Activity Course	$\frac{1}{2}$
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or	3	or	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Foreign Language	3	Foreign Language	3
Second Major	3	Second Major	3
*Elective	2	P. E. 285—Community Recreation	2
	<hr/> 17½		<hr/> 17½

## JUNIOR YEAR

First Semester		Second Semester	
Eng. —Advanced Literature	6	Ed. 472—Fund. of Secondary Educ.	4
Social Science	3	Eng. —Advanced Literature	6
Second Major	6	Second Major	3
*Elective	2	*Elective	3
	<hr/> 17		<hr/> 16

## SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Eng. —Advanced Literature	3	Eng. —Advanced Literature	3
Second Major	3	Second Major	3
*Elective	4	Hist. 400—American Foundations	3
	<hr/> 14		<hr/> 13

\*Consider Core Curriculum requirements when selecting these courses.

### Provisional High School Certificate with an Area of Concentration in English

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Educ. 100—Orientation in Education	1
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	Eng. 102—Writing and Speaking	3
Hist. 131—History of Civilization	3	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Sci. 101—Int. to Biological Science	3	Hist. 132—History of Civilization	3
or	3	Sci. 102—Int. to Biological Science	3
Sci. 103—Int. to Physical Science	3	or	3
Foreign Language	3	Sci. 104—Int. to Physical Science	3
P. E. 104—Personal Hygiene	2	Foreign Language	3
Elective	2	Sp. 182—Voice and Diction	3
	<hr/> 17½		<hr/> 16½

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Introduction to Literature	3
P. E. —Activity course	$\frac{1}{2}$	P. E. —Activity course	$\frac{1}{2}$
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or	3	or	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Educ. 210—Human Growth & Development I	3	Educ. 211—Human Growth & Development II	3
Foreign Language	3	Foreign Language	3
D. A. 283—Elementary Dramatics	3	Social Science	3
Elective	2	P. E. 285—Community Recreation	2
	<hr/> 17½		<hr/> 17½

JUNIOR YEAR			
First Semester		Second Semester	
Eng. 380—Advanced Literature	6	Educ. 472—Advanced Literature	6
Sp. 280—Introduction to Journalism	3	Educ. 472—Fund. of Secondary Education	4
Sp. 280—Basic Speech	3	Sp. 284—Oral Interpretation	3
Elective	4	D. A. 383—Staging Techniques	3
	<hr/> 16		<hr/> 16
SENIOR YEAR			
First Semester		Second Semester	
Educ. 375—Student Teaching	4	Educ. 475—Student Teaching	4
Advanced Literature	3	Advanced Literature	3
Elective	7	Hist. 400—American Foundations	3
	<hr/> 14	Elective	<hr/> 3
			13

### DESCRIPTION OF COURSES

#### Courses in Communications

**\*English 101. Writing and Speaking. Three hours.**

A study of words, with intensive use of the dictionary, as an aid to work in other fields; practice in grammar and mechanics to increase accuracy of expression; close and extensive reading.

**English 102. Writing and Speaking. Three hours.**

A continuation of English 101 with emphasis on general reading in Homer and Plato, followed by investigation of special topics, with reports.

**English 101F (French) and 101L (Latin). Writing and Speaking. Three hours.**

Open to students qualified to do more advanced work in the material covered in English 101, combined with an introduction to French or Latin.

\*Students who are deficient in English Composition and Reading will be assigned to sections that meet five days a week.

#### Courses in Literature and Writing

**English 201. Introduction to Literature. Three hours.**

Various types of literature from about the Middle Ages and Renaissance; a survey supplemented by complete works; reports on special topics; a general education course.

**English 202. Introduction to Literature. Three hours.**

A continuation of English 201 beginning with the Eighteenth Century.

**English 331. Classical Writers. Three hours.**

Prerequisite: English 202.

The popular essayists, as Addison and Goldsmith; comedy of manners—Congreve and Sheridan; satire and humor—Swift and Fielding; engaging personalities—Pope and Johnson.

**English 332. Romantic Writers. Three hours.**

Prerequisite: English 202.

The poets, as Wordsworth and Keats; other writers, as Hazlitt and Scott.

**English 333. Victorian Writers. Three hours.**

Prerequisite: English 202.

The poets, as Tennyson and Browning; other writers, as Carlyle and Arnold.

**English 341. American Writers Before 1850. Three hours.**

Prerequisite: English 202.

Colonial Americans, as Bradford, Byrd, and Franklin; the nationalists, as Irving and Cooper; self-examination, as found in Hawthorne and Emerson.

**English 342. American Writers Since 1850. Three hours.**

A continuation of English 341. Major writers of prose and poetry, with emphasis on Whitman and Mark Twain.

**English 363. History of the Theatre. Three hours.**

The outstanding dramas from the time of Greece to the present.

**English 367. The Bible as Literature. Three hours.**

Selected poems, narratives, fables, dramas, biographies, and sermons; the background of Jewish history; the influence of the Bible on our thought and literature.

**English 370. Literary Backgrounds. Three hours.**

A survey comparable to English 201 for juniors and seniors. Not open to students with credit for English 201.

**English 371. Literary Backgrounds. Three hours.**

A continuation of English 370. Not open to students with credit for English 202.

**English 380. Introduction to Journalism. Three hours.**

Prerequisite: Permission of the instructor.

News gathering; news writing; feature writing; seeing the newspaper through the press. (Not accepted as credit in literature.)

**English 381. Techniques of Journalism. Three hours.**

Prerequisite: Permission of the instructor.

Copy reading; makeup and its problems; editorials and editorial columns and pages; newspaper law. Two hours of recitation and two laboratory hours per week. (Not accepted as credit in literature.)

**English 393. Advanced Grammar. Three hours.**

Prerequisite: Six hours of credit in a foreign language.

Advanced grammar and the history of the language for majors

in English, foreign languages, and other fields. Each student also works in the foreign language he has studied. Not counted on the six-hour literature requirement in English for all students.

**English 434. Fiction. Three hours.**

Long and short fiction of our time; some reading of older novels.

**English 435. Shakespeare. Three hours.**

The plays as literature and as plays; selected tragedies, comedies, and histories.

**English 436. Shakespeare and His Age. Three hours.**

A continuation of English 435 with some reading in the period.

**English 444. Kentucky Literature and Folklore. Two hours.**

Significant novels, plays, and poems by Kentucky writers from James Lane Allen and Madison Cawein to Elizabeth Maddox Roberts and Jesse Stuart. Also Kentucky ballads and folklore.

**English 451. The English Lyric. Three hours.**

Topics: Successful and favorite poems from all periods, with emphasis on recent writers.

**English 453. Modern Drama. Three hours.**

Outstanding European and American dramas.

**English 490. Writer's Workshop. Three hours.**

Practice in sustained writing; discussion of original manuscripts; study of successful writers; marketing manuscripts.

**English 501. Advanced Reading in English I. Three hours.**

Prerequisite: Graduate standing.

The purpose of this course is to meet the needs of graduate students who wish to do additional work in English. The content will be determined by the department with the advice of the student's graduate committee.

**English 502. Advanced Reading in English II. Three hours.**

Prerequisite: English 501.

A course similar to English 501 but involving different reading materials.

## SPEECH AND DRAMATIC ART

### REQUIREMENTS:

<i>For a Major in Speech and Dramatic Art:</i>		Sem. Hrs.
Speech 182, 280, 284, 301 and Dramatic Art 283 .....		15
and		
Speech 281, 380, 382 and electives in Dramatic Art		
or		15



Dramatic Art 383, 483; English 363 or 435 or 453; and  
electives in Speech

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Minimum for a Major in Speech and Dramatic Art.... 30

*For a Minor in Speech:*

Speech 182 and 280 ..... 6

Electives in Speech depending upon the emphasis  
desired ..... 12

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Minimum for a Minor in Speech ..... 18

*For a Minor in Dramatic Art:*

Speech 182 and 280 ..... 6

Dramatic Art 283, 383 and 483 ..... 9

English 363 or 435 or 453 ..... 3

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Minimum for a Minor in Dramatic Art ..... 18

**Recommendations for majors and minors:**

1. It is recommended that speech emphasis majors select their second major, or minors, from the related field of English and/or social science.
2. Dramatic art emphasis majors should select their second major, or a minor, from the related field of English.
3. All majors and minors will be expected to participate in the departmental Speech-Dramatic Art Projects. It is desirable that the student earn approved credits in at least three separate activities.

**Speech-Dramatic Art Projects:**

A maximum of four semester hours of credit in special projects may be counted as elective credit by students who are not majors. A maximum of six semester hours in these activities may be counted as required and elective credits by majors. Credit earned in these activities in excess of the maximums indicated will be recorded and counted as additional work beyond the minimum number of hours required for the degree.

One hour of credit for each semester of effective participation will be awarded the student for work done on special departmental activities such as — major play productions; a series of studio productions; projects related to the Regional Speech Festival and Clinic; and special radio projects.

## DESCRIPTION OF COURSES

## SPEECH

**Speech 182. Voice and Diction. Three hours.**

How speech sounds are made; care and improvement of the voice; the essentials of distinct utterance and acceptable pronunciation; poise and self management; and correction of minor vocal irregularities.

Two class periods and two laboratory hours per week.

~~**Speech 280. Basic Speech. Three hours.**~~

Types of speech; experiences in all speech forms, their basic techniques and theories; continued work on voice and diction; practice in organizing material, outlining and delivery.

Two class periods and two laboratory hours per week.

**Speech 281. Public Speaking. Three hours.**

Prerequisite: Speech 280.

The aims, methods and chief forms of public address; emphasis on extemporaneous speaking, i.e., the original speech which is carefully prepared but is not memorized; platform and panel-forum techniques; with reading on current topics of general interest as a basis for discussion.

Two class periods and two laboratory hours per week.

**Speech 284. Oral Interpretation. Three hours.**

Prerequisites: English 102 and sophomore standing.

The application of principles of oral reading and interpretation to a variety of materials and activities, including choral and group reading; reading from the printed page rather than speaking from memory; experiences in sight reading and comprehension.

Two class periods and two laboratory hours per week.

**Speech 300. Workshop in Speech. Two hours.**

(Offered only during the summer. Not open to Speech and Dramatic Art Majors.)

The course emphasis relates to the immediate needs of the registrants. Students are encouraged to work on individual and classroom group problems in speech and the relationships involved between speech and other school subjects and departments.

**Speech 301. Radio Workshop. Three hours.**

Prerequisite: Permission of the instructor.

Planning and production of radio programs; radio station management; control room operation and microphone technique.

One class period and four laboratory hours per week.

**Speech 380. Applied Phonetics. Three hours.**

Elementary phonetic analysis of speech symbolization, with practice in broad transcription and with applications to specific areas of speech.

**Speech 381. Speech for Teachers. Three hours.**

Prerequisites: English 102 and a minimum of one year of teaching experience. Advanced undergraduates may enroll for the course provided they have completed, or are currently enrolled for student teaching.

Speech irregularities found in the general school population; classroom procedures for speech courses; contest work in speech; selections for practice and performance in the various speech events.

**Speech 382. Discussion and Debate. Three hours.**

Types of discussion—their values and aims including procedures adapted to the conference and committee; practice in the various types; practice in the procedures of debate; and parliamentary law.

Two class periods and two laboratory hours per week.

**Speech 481. Speech Problems. Three hours.**

Prerequisite: Permission of the instructor.

Individual problems of phonation, pronunciation and interpretation for experienced speakers; extensive study and research on some significant problem in speech.

**DRAMATIC ART****Dramatic Art 283. Elementary Dramatics. Three hours.**

Problems of staging under circumscribed conditions; minimum essentials of play production; organization; scenery, properties, costuming; and play selection.

Two class periods and two laboratory hours per week.

**Dramatic Art 285. Theatre Design and Stage Make-Up. Three hours.**

Basic training in the use of color and composition for the theatre; practical experiences in designing, operation and application for productions in make-up, lighting, costuming and scenery.

One class period and four laboratory hours per week.

**Dramatic Art 300. Workshop in Dramatic Art. Two hours.**

(Offered only during the summer. Not open to Speech and Dramatic Art Majors.)

Topics vary according to the needs of the registrants. Students are encouraged to work on individual problems in addition

to the consideration of basic techniques. The content of the course is related directly to the public school program in creative dramatics and dramatic art.

**Dramatic Art 383. Staging Techniques. Three hours.**

Prerequisite: Dramatic Art 283 or the equivalent.

Advanced problems of stage management, lighting and equipment; types of modern staging; psychology of actors; and audience reaction.

Two class periods and two laboratory hours per week.

**Dramatic Art 385. Playwriting and Production. Three hours.**

Composition of original one-act plays stressing the use of familiar materials. The best of the plays will be produced for public performance.

**Dramatic Art 387. Children's Theatre. Three hours.**

Concentrated study of problems of organization and production for and with children.

**Dramatic Art 483. Problems in the Theatre. Three hours.**

Prerequisites: Eighteen hours in dramatic art and literature and permission of the instructor.

Special research and survey projects in any phase of theatre work.

**Dramatic Art 485. Problems in Playwriting. Three hours.**

Prerequisites: Dramatic Art 385 and approval of the instructor.

Writing the full-length play, pageant or drama for special occasions and additional experience in the one-act form. Each student is expected to finish an acceptable full-length play or equivalent work in the one-act form.

## FOREIGN LANGUAGES

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### FRENCH

#### OBJECTIVES:

1. To help prospective teachers and other students with their English pronunciation, grammar, knowledge of words in general, and to strengthen their general background by introducing them to French culture.
2. To help majors and minors in French acquire the ability to read, write, and speak practical French comfortably.
3. To help prospective teachers of French by making them familiar with the techniques of teaching a foreign language — the use of maps, records, tape recordings, and practical applications of the language.

## REQUIREMENTS:

<i>For a Major in French:</i>		Sem. Hrs.
French 101, 102, 201, 202, and 305 .....		15
Four courses selected from French 432, 433, 434, 435, 436, 437, and 450 .....		12-15
Minimum for a Major .....		27

<i>For a Minor in French:</i>		
French 101, 102, 201, 202, and 305 .....		15
One course selected from French 432, 433, 434, 436, 437, and 450 .....		3- 4
Minimum for a Minor .....		18

## DESCRIPTION OF COURSES

**English 101F. Writing and Speaking. Three hours.**

This is a section of English 101 in which qualified students may do advanced work in grammar and mechanics, writing, word study, and use of the dictionary to be followed by an introduction to the study of French.

**French 101. Beginning French. Three hours.**

Primarily reading French with the aids of conversation, trips to stores, and making records in the laboratory; constant attention to review; study of how to learn a language; with emphasis on strengthening of one's command of English through the study of words and grammar. Records and tape recordings of popular French artists are employed along with laboratory work.

**French 102. Beginning French. Three hours.**

A continuation of French 101.

**French 201. Intermediate French. Three hours.**

Reading of adapted French prose by such authors as Hugo, Balzac, Gide, etc., for the purpose of acquiring knowledge about French culture; articles from student periodicals such as *France en Amerique* and *Grammar Review* are used to increase the student's proficiency in practical French.

**French 202. Intermediate French. Three hours.**

A continuation of French 201.

**French 305. Conversation and Composition. Three hours.**

To help all students, especially prospective teachers and those who expect to travel, acquire the ability to write and speak French. Laboratory practice is an integral part of the course.

**French 306. Rapid Reading. Three hours.**

A practical approach to French literature by employing the modified French works of authors of the 19th and 20th centuries. Works selected for reading include detective stories, travel books, etc.

**French 432. Literature of the 17th Century. Four hours.**

Prerequisites: French 101, 102, 201, and 202 or approval of the instructor.

Influences on the literature of the period, especially those of the Italian Renaissance and political and social conditions of the century; representative plays of Corneille, Racine, and Moliere; extracts from Descartes, Boileau, Pascal, Bossuet and others.

**French 433. Literature of the 18th Century. Four hours.**

Prerequisites: The same as those listed for French 432.

Political, economic, and social conditions which undermined the ideals of the preceding century; development of rationalistic and democratic tendencies as expressed in the writing of the period and leading up to the Revolution; selected material from the Encyclopedists—Buffon, Montesquieu, Voltaire, Rousseau, and Beaumarchais.

**French 434. Literature of the 19th Century. Four hours.**

Prerequisites: The same as those listed for French 432.

Novels, dramas, and poems by outstanding writers.

**French 435. Modern Writers. Three hours.**

Prerequisites: The same as those listed for French 432.

Selected edited works of authors well known in this country—Brieux, France, Maeterlinck, Gide, Proust, Elsa Triolet and others.

**French 436. Advanced French Grammar. Three hours.**

Prerequisites: The same as those listed for French 432.

This course is designed to give all students greater proficiency in writing and analyzing sentence structure. Irregular verbs and idiomatic expressions; dictionary and word study; emphasis upon pronunciation and reading of current student publications and periodicals.

**French 437. Junior Year Abroad. Three hours.**

Prerequisites: The same as those listed for French 432.

An imaginary trip abroad in which the student is afforded the opportunity to experience and become familiar with the French way of life through advanced readings, composition, and reports.



## LATIN

## OBJECTIVES:

1. To help prospective teachers of any subject improve their use of the English language with respect to grammar, pronunciation, writing and vocabulary.
2. To enable students in the arts and pre-professional courses to handle technical terms more easily.
3. To prepare teachers of Latin for the primary and secondary schools.
4. To broaden the students' background by a study of Roman civilization.

## REQUIREMENTS:

<i>For a Minor:</i>	Sem. Hrs.
Latin 101, 102, 201, and 202 .....	12
Electives from Latin 301 or 302 and 401 or 402 .....	6
Minimum for a Minor .....	18

Note: Students who have had one or two units in high school Latin may enroll in Elementary Latin 101 and receive full credit provided a mark of at least "B" is earned.

## DESCRIPTION OF COURSES

**English 101L. Writing and Speaking. Three hours.**

This is a section of English 101 in which qualified students may do advanced work in grammar and mechanics, writing, word study, and use of the dictionary to be followed by an introduction to the study of Latin.

**Latin 101. Elementary Latin. Three hours.**

Basic elements of Latin grammar; easy reading; use of the dictionary; verbal skills; vocabulary study; and background material.

**Latin 102. Elementary Latin. Three hours.**

Prerequisite: Latin 101 or the equivalent.

Review and continuation of grammar and easy reading; further emphasis on use of the dictionary; development of verbal skills and increased vocabulary; further reading in background material.

**Latin 201. Intermediate Latin. Three hours.**

Prerequisite: Latin 102 or the equivalent.

Review and continuation of Latin 102; continuing emphasis on vocabulary development and background material.

**Latin 202. Intermediate Latin. Three hours.**

Prerequisite: Latin 201 or the equivalent.

A study of modern problems existing in ancient Rome as revealed in the writings of Sallust and Cicero; reading of both adapted and original selections from these authors; grammar; word study; background material.

**Latin 301. Advanced Latin. Three hours.**

Prerequisite: Latin 202 or the equivalent.

Reading of selections from Ovid's *Metamorphoses*; mythology; scansion; word study; Ovid's influence.

**Latin 302. Advanced Latin. Three hours.**

Prerequisite: Latin 301 or the equivalent.

Reading of selections from Virgil's *Aeneid*; mythology; scansion; word study; collateral reading based on the Augustan Age of Rome.

**Latin 401. Latin Literature. Three hours.**

Prerequisite: Nine hours of Latin above the elementary level.

Study of Greek and Roman lyric poetry; reading of selections from Horace; Horatian syntax and meter; influence of Horace; word study.

**Latin 402. Latin Literature. Three hours.**

Prerequisite: Nine hours of Latin above the elementary level.

Reading of selections from Livy; word study; background material on Roman historical writing.

**GEOGRAPHY AND GEOLOGY**

Miss Wilkes

Miss Braun

**OBJECTIVES:****A. In Geography**

1. To provide competent instruction in geography for teachers of the subject at elementary and high school levels.
2. To offer a field of major study for those students wishing to do graduate work in this subject.
3. To contribute to the development of well-rounded teachers of the social studies.
4. To make a contribution to the cultural development of students.

**B. In Geology**

To guide the student in acquiring knowledge of the physical structure of the earth, the changes it has undergone, and causes of these changes.



## REQUIREMENTS:

<i>For a Major:</i>	Sem. Hrs.
Geography 100, 211, 241, 471, 475, and Geology 100 .....	16
Elective in geography .....	12
Total for a Major .....	28
<i>For a Minor:</i>	
Geography 100, 241, 300 or 475 .....	9
Elective in geography .....	9
Total for a Minor .....	18
<i>For an Area Major in Social Science:</i>	
History 241, 242, 331, 332 .....	12
Additional advanced credit in history .....	6
Political Science 241 .....	3
Additional credit in political science .....	3
Sociology 201 .....	3
Additional credit in sociology .....	3
Economics 201, 202 .....	6
Geography 100 .....	3
One additional course in geography selected from:	
241, 300, 320, 331, or 383 .....	3
Six hours elective from any of the social sciences .....	6
Seminar .....	1
Total for an Area Major .....	49

## SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

**Provisional High School Certificate with the First Major  
in Geography and Geology**

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Speaking and Writing	3	Eng. 102—Speaking and Writing	3
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Freshman Orientation	1	Ed. 100—Orientation in Educ.	1
Geog. 100—Fundamentals of Geography	3	Geog. 211—Economic Geography	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
or		or	
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
P. E. 104—Personal Hygiene	2	Geol. 100—General Geology	3
Second Major	3	Second Major	3
*Elective	2		
	<hr/> 17½		<hr/> 16½

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
P. E.—Activity Course	½	P. E.—Activity Course	½
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or	3	or	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Geog. 241—North America	3	Econ. 201—Principles of Economics	4
Foreign Language	3	Foreign Language	3
P. E. 285—Community Recreation	2		
	<hr/> 17½		<hr/> 16½

## JUNIOR YEAR

First Semester		Second Semester	
Geog. 331—Europe	3	Ed. 472—Fund. of Secondary Edu.	4
or		Geography above 300	3
Other geography above 300	3	Foreign Language	3
Second Major	6	Second Major	3
Foreign Language	3	*Elective	4
Geog. 320—South America	3		
*Elective	2		
	<hr/> 17		<hr/> 17

## SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Geog. 475—Meth. and Mat. in Teaching Geog.	3	Geog. 344—Kentucky	3
Hist. 400—American Foundations	3	or	
Second Major	3	Other geography above 300	1
		Geog. 471—Seminar	6
		Second Major	6
	<hr/> 13		<hr/> 14

\*Consider Core Curriculum requirements when selecting these courses.

## DESCRIPTION OF COURSES

## GEOGRAPHY

**Geography 100. Fundamentals of Geography. Three hours.**

Reading and interpretation of maps; human activities within the major climatic regions of the earth; man's use of major physiographic features.

**Geography 211. Economic Geography. Three hours.**

Methods of producing significant crops in low and middle latitudes and the natural and cultural bases for these methods; development of mining and manufacturing in major economic areas; principal ocean trade routes and world-wide commercial activity.

**Geography 241. North America. Three hours.**

Study of the major geographic regions of English-speaking North America and geographic interpretation of economic activities within these regions.

**Geography 250. Elementary Cartography. Three hours.**

Map projections and simple construction methods; graphic presentation of geographic data.

**Geography 300. Regional Geography for Elementary Teachers. Three hours.**

This course is offered specifically to guide the elementary teacher toward an understanding of the nature of regional geography and toward selection and organization of suitable materials for teaching geography at the grade-school level. Principal regions of North America, South America, Europe and Asia are studied in as much detail as time permits.

**Geography 310. Australasia. Three hours.**

Prerequisite: Geography 100.

Resources of Australia, New Zealand, and neighboring islands of the Pacific and the significance of the position of these islands and of their political connections.

**Geography 320. South America. Three hours.**

Prerequisites: Geography 100 and 241.

South American countries, their resources and developments. Special attention will be given to the relations of this continent with the United States.

**Geography 328. Africa. Three hours.**

The study of Africa on the basis of its resources; recognition of and reasons for the growing importance of this continent and its actual and potential production.

**Geography 331. Europe. Three hours.**

Prerequisites: Geography 100 and 241.

Economic developments within the principal countries; geographic interpretation of current European affairs.

**Geography 344. Kentucky. Three hours.**

Prerequisite: Three hours of credit in geography or experience in teaching.

Detailed study of the climate of the state; geologic regions, the resources of each and their uses; and field work in selected areas.

**Geography 383. Asia. Three hours.**

Prerequisite: Geography 100.

The major human-use regions of India, China, and Japan; a brief survey of other parts of Asia.

**Geography 400. Russia. Three hours.**

Prerequisite: Geography 331 or 383 or History 335.

The geography of Russia and its natural and cultural foundations; consideration of actual and potential economic developments.



**Geography 471. Seminar. One hour.**

The purpose of this course is to promote group discussion of problems, methods of investigation, and theory in the social sciences. Current social science periodicals and reports are used as bases for study and discussion.

**Geography 475. Methods and Materials in Teaching Geography. Three hours.**

Prerequisite: Nine hours credit in geography.

Purpose and objectives in teaching geography; selection of materials; organization of content at the level of each student's interest.

## GEOLOGY

**Geology 100. General Geology. Three hours.**

A study of the atmosphere in its relation to the modification of the surface of the land; work of running water; action of sub-surface water; origin and work of lakes; development and work of glaciers; the origin and classification of rocks and soils; volcanoes and earthquakes; deformation of the earth's crust; mountain building; minerals; the earth's interior; topographic maps showing work of running water, sinks and karst topography, and mountains. Two lecture-discussion hours and two hours of field or laboratory work per week.

**Geology 101. Historical Geology. Three hours.**

Prerequisite: Geology 100.

A study of fossils, rocks, minerals, and other economic resources occurring in various periods in the geologic history of the earth. Two lecture-discussion hours and two hours of field or laboratory work per week.

## HEALTH AND PHYSICAL EDUCATION

Mr. Laughlin

Mr. Allen

Mr. Adams

Miss Shely

Mr. Lucke

Mr. Prewitt

**OBJECTIVES:**

1. To promote good health practices on the part of all students through adequate physical examinations, diagnosis, and treatment.
2. To arouse interest and develop skill in physical activities that will contribute to individual well-being while in college and general living.
3. To provide teachers with the fundamental knowledge and skills in health and physical education required for effective service in the school.
4. To develop specialists in the field.

## REQUIREMENTS:

*For all students taking the Provisional High School Certificate:*

Activity courses .....	2
Physical Education 104 and 285 .....	4

*For a Major for Men: (In addition to the general requirement listed above)*

Physical Education 203, 298, 315, 320, 351, 360, 365, 437, 493, and four hours selected from 295, 375, or 405 ....	25
Elective in activity courses approved by the department .....	2
Minimum for a Major .....	33

*\*For a Minor for Men: (In addition to the general requirements listed above)*

Physical Education 203, 315, 320 .....	6
Elective from Physical Education 295, 298, 375, or 405 ....	6
Elective from Physical Education 351, 360, 437, or 493 ....	5
Elective in activity courses approved by the department .....	1
Minimum for a Minor .....	24

*For a Major for Women: (In addition to the general requirements listed above)*

Physical Education 133, 203, 231, 297, 315, 320, 351, 360, 365, 437, 493 .....	23
Elective in activity courses approved by the department .....	2
Minimum for a Major .....	31

*\*For a Minor for Women: (In addition to the general requirements listed above)*

Physical Education 203, 297, 315, 320 .....	9
Elective from Physical Education 351, 360, 437, 493 .....	8
Elective in activity courses approved by the department .....	1
Minimum for a Minor .....	24

\*Students minoring in physical education who expect to do a part of their Student Teaching in this field are required to take Physical Education 365 in addition.

Note—In addition to the above requirements all students majoring or minoring in health and physical education must earn credit in Biology 210, 332, and 336.

## SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

### Provisional High School Certificate with the First Major in Health and Physical Education

#### FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Sci. 101—Int. to Biological Science	3	Hist. 132—History of Civilization	3
Hist. 131—History of Civilization	3	P. E. 298—Officiating and Rules of Games	2
P. E. 104—Personal Hygiene	2	Second Major	3
Second Major	3	P. E. 203—First Aid	2
		Elective	2
	<hr/> 15½		<hr/> 16½

#### SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
P. E.—Activity Course	$\frac{1}{2}$	P. E.—Activity Course	$\frac{1}{2}$
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Biol. 210—General Zoology	4	P. E. 295—Coaching Basketball	2
P. E. 285—Community Recreation	2	Social Science	3
Second Major	3	Second Major	6
	<hr/> 15½		<hr/> 17½

#### JUNIOR YEAR

First Semester		Second Semester	
P. E.—Activity Course	$\frac{1}{2}$	P. E.—Activity Course	$\frac{1}{2}$
P. E. 365—Mat. and Meth. in Phys. Ed.	2	Ed. 472—Fund. of Secondary Ed.	4
P. E. 375—Coaching Football	2	Biol. 332—Human Physiology	4
P. E. 351—Camp Leadership	2	P. E. 360—Hist. and Prin. of Phys. Ed.	3
Second Major	6	P. E. 320—Plays and Games for Elem. School	2
*Elective	3	Second Major	3
	<hr/> 15½		<hr/> 16½

#### SENIOR YEAR

First Semester		Second Semester	
P. E.—Activity Course	$\frac{1}{2}$	P. E.—Activity Course	$\frac{1}{2}$
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Biol. 336—Human Anatomy	3	Hist. 400—American Foundations	3
P. E. 437—Therapeutics	3	P. E. 493—Organ. and Adm. of Phys. Ed.	3
P. E. 315—Water Safety	2	P. E. 405—Coaching Baseball and Track	2
Second Major	3	*Elective	3
	<hr/> 15½		<hr/> 15½

\*Consider Core Curriculum requirements when selecting these courses.

### DESCRIPTION OF COURSES

#### OPEN TO BOTH MEN AND WOMEN

#### Physical Education 104. Personal Hygiene and Public Safety. Two hours.

Structure and function of the human body as a basis for the biological and psychological approach to the study of health; fundamental health practices; ways to improve personal health; safety practices in the home and community; accident prevention.

**Physical Education 133. Folk Dancing. One-half hour.**

Folk dances and singing games of all nations.

**Physical Education 137. Social Dancing. One-half hour.**

Social dancing through practice and dance floor courtesy.

**Physical Education 203. First Aid. Two hours.**

Stopping of bleeding; treatment and bandaging of open wounds; treatment of shock; splinting; transportation of the injured; water safety; artificial respiration; treatment for poisoning; and accident prevention.

**Physical Education 204. Community Health Problems. Two hours.**

Prerequisite: Physical Education 104 is desirable.

Local, state, and federal health laws; problems relating to food, milk, and water supplies; communicable diseases; the economic and social aspects of community health problems.

**Physical Education 231. Modern Dance. One-half hour.**

Responses to music and progressive development of rhythmic patterns; fundamental dance steps as used in folk and modern dances; creative dance composition.

**Physical Education 285. Community Recreation. Two hours.**

Types and purposes of different recreational groups; program planning; location of material.

**Physical Education 304. Materials and Methods in Health Education. Two hours.**

Principles involved in maintaining a healthful school environment; knowledge related to aims; available materials and suitable methods of instruction.

**Physical Education 315. Water Safety. Two hours.**

Prerequisite: Satisfactory performance of skill tests in swimming.

This course is designed to prepare students for taking the Red Cross instructor's course in swimming which will prepare them for employment as lifeguards and instructors in water safety.

**Physical Education 320. Plays and Games for Elementary Schools. Two hours.**

Principles of selection; use, origin, and classification of plays and games; schoolroom, gymnasium, and playground games and activities.

**Physical Education 331. Advanced Modern Dance. One-half hour.**

Prerequisite: Physical Education 231.

A continuation of Physical Education 231 with the learned

techniques applied to direct interpretative dance forms in relation to the arts and everyday living. Individual and group choreography is stressed in preparation for a dance concert by the class at the end of the semester.

**Physical Education 336. Track and Field Techniques. Two hours.**

History of track and field events; analysis of approved techniques; accepted methods of training; emphasis placed on outstanding performers and correct terminology. Two lecture-discussion periods and two demonstration periods per week.

**Physical Education 337. Organization and Administration of Track and Field Athletics. Two hours.**

The proper physical layout for track athletics; effective publicity; organization of meets; thorough study of track and field rules and practices. One or two lecture-discussion periods and two or three practice or demonstration periods per week.

**Physical Education 351. Camp Leadership. Two hours.**

History, theory, and scope of organized camping; camp styles and programs; techniques of leadership; duties and responsibilities of counselors.

**Physical Education 352. Scouting. Two hours.**

A course designed to prepare leaders for scouting activities. Topics covered include—program planning; duties of masters, leaders, and administrators; the objectives of scouting; and the characteristics of effective meetings and programs. Two class meetings per week plus laboratory work which consists of working with scout troops.

**Physical Education 360. History and Principles of Physical Education. Three hours.**

Development of physical education; analysis of its aims, objectives, and principles.

**Physical Education 365. Materials and Methods in Physical Education. Two hours.**

Knowledge and practice in the use of materials and methods for developing skill techniques; instruction problems peculiar to physical education.

**Physical Education 437. Therapeutic Exercises. Three hours.**

Prerequisites: Biology 332 and 336.

Common defects of the body and their correction through exercise.

**Physical Education 490. Driver Education. Two hours.**

Motor traffic safety; technique for instructing student drivers; administering driving tests. Open only to juniors and seniors who are qualified drivers.

**Physical Education 493. Organization and Administration of Physical Education. Three hours.**

Classification of students; staff; teaching load; finance; administration of the physical education plant.

**SECTIONS FOR MEN AND SECTIONS FOR WOMEN****Physical Education 100a and 100b. Orientation in Physical Education. One-half hour each. (Required for all freshmen.)**

Elementary skills; achievement tests; general participation in seasonal team and individual sports; rhythms; stunts; swimming.

**Physical Education 101. Volleyball. One-half hour.**

Rules and participation in the activity.

**Physical Education 102. Basketball. One-half hour.**

Rules; shooting skills; individual and team tactics; both offensive and defensive.

**Physical Education 103. Soccer. One-half hour.**

Rules; techniques of kicking, heading, stopping the ball, running, passing, shooting, and evading; team tactics.

**Physical Education 106. Softball. One-half hour.**

Rules; techniques in throwing, catching, pitching, batting; offensive and defensive tactics.

**Physical Education 111. Badminton. One-half hour.**

Equipment and court; groundwork; stroke production including the serve, lob, smash, drop shots, and net shots; rules and scoring; match play.

**Physical Education 116. Elementary Tennis. One-half hour.**

Grip, stance, and other points relating to form of forehand and backhand drives and service; rules and scoring.

**Physical Education 117. Elementary Swimming. One-half hour.**

Elementary, side, back, and crawl strokes; diving; stunts; water safety tests.

**Physical Education 122. Stunts and Gymnastics. One-half hour.**

Self-testing activities; elementary tumbling and pyramid building; marching; various systems of gymnastics as a basis for conditioning exercises.



**Physical Education 216. Intermediate Tennis. One-half hour.**

Prerequisite: Physical Education 116 or its equivalent.

Advanced strokes; types of offensive and defensive play.

**Physical Education 217. Intermediate Swimming. One-half hour.**

Prerequisite: Physical Education 117 or its equivalent.

Standard strokes; diving; swimming meets.

**Physical Education 316. Advanced Tennis. One-half hour.**

Prerequisite: Physical Education 216 or its equivalent.

Perfection of play in tennis and tournament competition.

**Physical Education 317. Advanced Swimming. One-half hour.**

Prerequisite: Physical Education 217 or its equivalent.

Fancy diving; racing starts and turns; conducting meets; life saving.

**CLASSES FOR WOMEN ONLY****Physical Education 110. Archery. One-half hour.**

Fundamentals of shooting, bending the bow and nocking the arrow; prevention of injury; shooting practice and scoring; point of aim; faults; grouping the arrows; competitive shooting.

**Physical Education 113. Field Hockey. One-half hour.**

Fundamental skills of stick work including drive, dribble, reverse stick, left-hand lunge, scoop, and push pass; fundamental skills of technique on bully, rool in, free hit, and corner; knowledge of the game, rules, and class games.

**Physical Education 237. Coaching for Women. Three hours.**

A study of the theory, methods, and mechanics of directing team sports and the rules and techniques of officiating.

**CLASSES FOR MEN ONLY****Physical Education 295. Coaching Basketball. Two hours.**

Fundamentals; individual and team play; organization; educational value of basketball.

**Physical Education 298. Officiating and Rules of Games. Two hours.**

Interpretation of rules for football, basketball, baseball, tennis, softball, soccer, badminton, handball, and volleyball; techniques of officiating; practice in officiating.

**Physical Education 375. Coaching Football. Two hours.**

Fundamentals; individual and team play; organization; educational value of football.

**Physical Education 405. Coaching Baseball. Two hours.**

Fundamentals; individual and team play; organization; educational values of baseball.

**HISTORY AND POLITICAL SCIENCE**

Mr. Rader  
Mr. Exelbirt

Mr. Fowler  
Mr. Woods

**OBJECTIVES:****A. In History**

1. To make the student a better American and a better citizen of the world by introducing him to those events, movements and personalities of the past which have made a significant contribution to the growth of our country and other countries.
2. To develop an appreciation for the record of man's achievements and an understanding of the influence of the past upon the world we live in today.
3. To provide an adequate foundation for those students who expect to enter the fields of law, government service, business and other professions.
4. To develop teachers of history who will have an interest in and be able to make a distinct contribution to the program of the social studies at the secondary level.

**B. In Political Science**

1. To provide the student with a background sufficient to enable him to exercise with intelligence the duties which come with living in a democratic society.
2. To develop an understanding of the institutions which make up our government and the basic principles that control their operation.
3. To give the student who does his major or minor work in political science a well-balanced training in the major divisions of the field.
4. To provide teachers with a more thorough foundation for, and a greater appreciation of American principles and practices of democracy, and to create a fuller understanding of the conditions out of which have grown the issues and controversies confronting the world today, to the end that our educational system will be a stronger force in the training of young people for active and intelligent participation in a democratic society.

## REQUIREMENTS:

<i>For a Major in History:</i>		Sem. Hrs.
History 131, 132, 241, 242, 331, 332, 471 .....	19	
Advanced credit in history .....	6	
Total for a Major .....	25	
<i>For a Minor in History:</i>		
Either History 131 and 132 or History 331 and 332 .....	6	
History 241, 242 .....	6	
Advanced credit in history .....	6	
Total for a Minor .....	18	
<i>For a Major in Political Science:</i>		
Political Science 241, 242, 333, 343, 450, 471 .....	16	
Advanced credit in political science .....	9	
Total for a Major .....	25	
<i>For a Minor in Political Science:</i>		
Political Science 241, 242, 343, 450 .....	12	
Advanced credit in political science .....	6	
Total for a Minor .....	18	
<i>For an Area Major in Social Science:</i>		
History 241, 242, 331, 332 .....	12	
Additional advanced credit in history .....	6	
Political Science 241 .....	3	
Additional credit in political science .....	3	
Sociology 201 .....	3	
Additional credit in sociology .....	3	
Economics 201, 202 .....	6	
Geography 100 .....	3	
One additional course in geography selected from:		
241, 300, 320, 331, or 383 .....	3	
Six hours elective from any of the social sciences .....	6	
Seminar .....	1	
Total for an Area Major .....	49	

## SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and in making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

### Provisional High School Certificate with an Area of Concentration in Social Science.

#### FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Hist. 241—The U. S., 1492-1865	3	Hist. 242—The U. S. Since 1865	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
or		or	
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Geog. 100—Fundamentals of Geog.	3	Soc. 201—Introductory Sociology	3
P. E. 104—Personal Hygiene	2	Core Curriculum	3
	<hr/>		<hr/>
	15 $\frac{1}{2}$		16 $\frac{1}{2}$

#### SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
P. E.—Activity Course	$\frac{1}{2}$	P. E.—Activity Course	$\frac{1}{2}$
Econ. 201—Prin. of Economics	4	Econ. 202—Economic Problems	2
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or		or	
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
P. S. 241—Government of the U. S.	3	Ed. 211—Human Growth and Development II	3
Ed. 210—Human Growth and Development I	3	P. E. 285—Community Recreation	2
	<hr/>	Core Curriculum	3
	16 $\frac{1}{2}$		16 $\frac{1}{2}$

#### JUNIOR YEAR

First Semester		Second Semester	
Hist. 331—Mod. Europe, 1500-1815	3	Hist. 332—Mod. Europe Since 1815	3
Geog.—Elective	3	P. S.—Advanced Elective	3
Soc.—Advanced Elective	3	Soc. Sci.—Advanced Elective	3
*Elective	8	Ed. 472—Fund. of Secondary Ed.	4
	<hr/>	*Elective	4
	17		17

#### SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Hist.—Advanced Elective	3	Hist.—Advanced Elective	3
Soc. Sci.—Advanced Elective	3	Seminar	1
*Elective	5	*Elective	6
	<hr/>		<hr/>
	15		14

\*Consider Core Curriculum requirements when selecting these courses. A minimum of seven hours of this elective work must be in 300 and/or 400 courses.

### Provisional High School Certificate with the First Major in History.

#### FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Hist. 131—History of Civilization	3	Hist. 132—History of Civilization	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
or		or	
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Geog. 100—Fund. of Geography	3	Geog. 241—North America	3
P. E. 104—Personal Hygiene	2	Second Major	3
	<hr/>		<hr/>
	15 $\frac{1}{2}$		16 $\frac{1}{2}$

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
P. E.—Activity Course	½	P. E.—Activity Course	½
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Hist. 241—The U. S., 1492-1865	3	Hist. 242—The U. S. Since 1865	3
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or		or	
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
P. E. 285—Community Recreation	2	Second Major	3
Second Major	3	*Elective	2
	17½		17½

## JUNIOR YEAR

First Semester		Second Semester	
Hist. 331—Mod. Europe, 1500-1815	3	Ed. 472—Fund. of Secondary Ed.	4
Geog. 331—Europe	3	Hist. 332—Mod. Europe Since 1815	3
Second Major	6	Second Major	6
*Elective	5	*Elective	4
	17		17

## SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Hist.—Advanced elective	3	Hist.—Advanced elective	3
Second Major	3	Hist. 471—Seminar	1
*Elective	3	*Elective	6
	13		14

\*Consider Core Curriculum requirements and amount of Junior and Senior credit when selecting these courses.

## DESCRIPTION OF COURSES

## SOCIAL SCIENCE

**Social Science 101. Introduction to Social Science. Three hours.**

Backgrounds of our culture pattern; the land and the people; the business of making a living and family development; educational influences, religious influences, and social control in its various governmental forms.

## HISTORY

**History 131. History of Civilization. Three hours.**

The conquest of civilization; classical civilization of the ancient Mediterranean world; origin of Western European Civilization; medieval institutions and culture; transition to modern times.

**History 132. History of Civilization. Three hours.**

The expansion of Europe; era of industrial capitalism; nationalism, democracy, and imperialism; the crisis in western civilization.

**History 149. Economic History of the United States. Three hours.**

See Economics 149.

**History 241. The United States of America, 1492-1865. Three hours.**

Prerequisite: Sophomore standing preferable but open to freshmen.

Discoveries, explorations, colonization, rivalries between colonizing powers; colonial commerce and government; economic and social development; Anglo-American relations; the American Revolution with its problems; adoption of the Federal Constitution; development of national government; political parties; slavery; expansion of territory; compromise of 1850; Civil War.

**History 242. The United States of America, 1865 to the Present. Three hours.**

Prerequisite: Sophomore standing preferable but open to freshmen.

Reconstruction; political corruption; the far West; transportation; big business; organized labor; reform movements; free silver crusade; war with Spain; Panama Canal; the Caribbean; the First World War and the problems of reconstruction; the Depression; the New Deal; the Second World War; contemporary problems.

**History 331. Modern Europe, 1500-1815. Three hours.**

Prerequisites: Six or more hours of college history and preferably junior standing.

The development of modern nations; the Reformation and religious wars; dynastic and economic statecraft; revolutionary development of the modern world.

**History 332. Modern Europe, 1815 to the Present. Three hours.**

Prerequisites: Six or more hours of college history and preferably junior standing.

Industrial Revolution; the reforms of the nineteenth and twentieth centuries; social factors in recent European history; the political and cultural growth of the various European countries; their relations to the rest of the world; peace efforts; the First World War; subsequent trends in European government and society; growth of nationalism; dictatorship; and the Second World War.

**History 335. History of Russia. Three hours.**

Prerequisites: Six hours of history and preferably junior standing.

Beginnings of the Russian state; the Kiev period; Tartar domination; the Moscow period; Peter the Great; emergence of Russia as a European power; attempts at westernization of Russia; political and revolutionary movements; the November Rebellion; state, society, and economy after 1917; World War II and the post-war era.



**History 336. History of France. Three hours.**

Prerequisites: History 131 and 132, and junior standing.

Origins of France; medieval France; the age of Reformation and religious wars; the growth of absolutism; the age of Louis XIV; the breakdown of the old order; the French Revolution and the Napoleonic Era; the quest for a stable political order in the 19th century; the Third Republic; France during the World Wars; the destruction of the Third Republic; the Fourth Republic and its problems.

**History 337. History of Germany. Three hours.**

Prerequisites: History 131 and 132, and junior standing.

The origins of Germany; Holy Roman Empire; struggle with the Pope; disintegration of the Empire; Reformation; growth of absolutism; rise of Austria and Prussia; Napoleonic Wars; movements toward unification; Second German Empire; First World War and the Weimar Republic; rise of Fascism and the Second World War; contemporary Germany and its problems.

**History 338. Great Britain and the British Commonwealth of Nations. Three hours.**

Prerequisites: Six or more hours of college history and preferably junior standing.

The building of the British political, social, and economic system and expansion of the British influence to all parts of the world. Special attention will be given to the growth of the British Empire and the development of the British Commonwealth of Nations with its many ramifications.

**History 339. Economic History of Europe. Three hours.**

See Economics 339.

**History 343. American Political Parties. Three hours.**

See Political Science 343.

**History 344. History of Kentucky. Three hours.**

Prerequisite: Six semester hours of history or junior standing.

Early settlement of Kentucky; becoming a Commonwealth; constitutional, social, and economic development; Civil War and readjustment; recent history and development.

**History 345. The American Frontier. Three hours.**

Prerequisite: History 242 and junior standing.

The merits and limitations of the Turnerian thesis; the gold rush of 1848-49 and the rise of the mineral frontier; the effect of the Homestead Act on the West; building of the transcontinentals; rise and fall of the cattle kingdom; the last stand of the Indians; state building in the trans-Mississippi West; the West in art, literature, and music.

**History 348. Latin America. Three hours.**

Prerequisites: History 241 and 242, and junior standing.

Spain and Portugal in the 15th century; the age of discovery and colonization; the economic, political, and social orders of Colonial Latin America; the Wars for Independence; the era of the Caudillos; the rise of the A.B.C. countries; the Spanish-American War; the "big stick" policy, dollar diplomacy, and the good neighbor policy; Latin America in World War II; politics, economics, and social conditions in Latin America today.

**History 400. American Foundations. Three hours.** (Required of all students who do not have credit for History 241 and 242 or the equivalent. This course satisfies three hours of the twelve hours in social science required of all students for graduation.)

Prerequisite: Second-semester junior standing.

Origin, substance, and interpretation of the Constitution; causes, crises, and reconciliations of sectionalism; history and role of political parties; states rights vs. nationalism; theory and practice of private enterprise; free public education; separation of church and state; genesis and development of the idea of personal freedom; milestones and trends in the area of foreign affairs.

**History 438. The Far East. Three hours.**

Prerequisites: Junior standing and at least nine hours of history or government.

History of the early Far East; roles of England, France, and Germany in the Far East; effects of territorial agreements; American spheres of interest; recent developments in the Far East; the future Far East and its relations to the rest of the world.

**History 440. American Colonial History. Three hours.**

Prerequisite: History 241.

Discovery, exploration and settlement; geographic influences; the Indians; comparison and contrast to colonization by other European peoples; development of American institutions; separation from the mother country.

**History 443. Sectional Controversies. Three hours.**

Prerequisites: History 241 and junior standing.

Sectionalism in the Constitutional Convention of 1787; controversy over the War of 1812; sectional disputes concerning the U. S. Bank, the tariff, and internal improvements; the industrial North versus the agrarian South and West; birth of the Republican Party; causes of the Civil War; land and naval engagements of the Civil War; diplomacy of the North and South, 1861-65; constitutional developments, North and South, during the Civil War; politics during the Civil War; life behind the lines; why the South lost the Civil War.

**History 444. The American Constitution. Three hours.**

(See Political Science 444)

**History 445. The United States, 1900 to the Present. Three hours.**

Prerequisites: Junior standing and preferably History 242.

The social picture in 1900; American sports; development and trends in religion; evolution of the press and magazines; developments in architecture, painting, sculpture, music, and literature; origin, growth, and influence of the motion picture, radio, and television; trends and mileposts in education.

**History 446. American Foreign Relations before 1890. Three hours.**

Prerequisites: History 241 and junior standing.

French Alliance of 1778, purchase of Louisiana; War of 1812 and its effects; Monroe Doctrine; acquisition of Oregon; Texas and the Mexican War; Maximilian episode; the Alabama affair and the Geneva Arbitrations; the period of somnolence.

**History 447. American Foreign Relations since 1890. Three hours.**

Prerequisites: History 242 and junior standing.

America's beginnings in overseas imperialism; Blaine and Pan-Americanism; Spanish-American War and its repercussions; acquisition of the Panama Canal Zone; Roosevelt's "Big Stick" Policy; World War I, Wilson, and the peace; America goes isolationistic; Good Neighbor Policy; rise of the dictators; World War II; post-war developments.

**History 450. The World Since 1914. Three hours.**

Prerequisite: Junior standing.

World War I; the peace treaties; the attempts to perpetuate peace among the nations and to solve worldwide economic and social problems; the history of internal movements in the major states; the rise of dictatorships; the status of democracy; the breakdown of collective security; the Second World War and its consequences.

**History 471. Seminar. One hour.**

The purpose of this course is to promote group discussion of problems, methods of investigation, and theory in the social sciences. Current social science periodicals and reports are used as bases for study and discussion.

## POLITICAL SCIENCE

**Political Science 241. Government of the United States. Three hours.**

Prerequisite: One year of college work or the consent of the instructor.

Origins; the constitution and its makers; the citizen—his rights, his political privileges; the executive—his powers and functions; the Cabinet; the Senate; the House of Representatives; regulation of commerce; war powers; political parties—their origin and functions; judicial power; government of territories.

**Political Science 242. State and Local Government. Three hours.**

Prerequisite: Political Science 241.

The place of the states in the nation; the state constitution; state legislature; the state executive; state administration; state finance; state courts; state parties and politics; reconstruction of state government; the history of local government; the American city; municipal government; rural government.

**Political Science 333. Comparative Government. Three hours.**

Prerequisite: Political Science 241.

Constitutional development; political organization; legislation; administration; party systems; courts; local government; the cabinet; recent development and proposed changes.

**Political Science 343. American Political Parties. Three hours.**

Prerequisite: Political Science 241.

The political party as a part of the political machinery; party organization; party activities; campaign methods; reform movements; public opinion and party leadership; true function of parties and party responsibility.

**Political Science 344. Kentucky Government. Three hours.**

Prerequisites: Political Science 241.

Constitutional development; governmental organization of Kentucky—executive, legislative, judicial; local government; party development; present-day governmental problems.

**Political Science 350. Early Political Theory. Three hours.**

Prerequisites: Political Science 241, and History 131.

Early political institutions and ideas; Greek and Roman contributions to the theory and practice of government; development of church and state relationships; nature and authority of law; transition from the city state to the national state.

**Political Science 351. Recent Political Theory. Three hours.**

Prerequisites: Political Science 241 and History 132.

The theory of the national state; absolutism and the theory of divine right; the concept of sovereignty; right to resist and the

theory of natural rights and natural law; rise of radicalism; rights of the citizen and the growth of liberalism; fascism and communism; democracy in an industrial society.

**Political Science 444. The American Constitution. Three hours.**  
(Also History 444. Formerly Political Science 446 and 447.)

Prerequisite: Political Science 241.

Principles of constitutional interpretation; the federal system; separation of powers and judicial review; principles and precedents underlying current interpretations in such fields as civil rights, government and the economy, social and welfare legislation.

**Political Science 448. Public Administration. Three hours.**  
Prerequisites: Political Science 241 and 242.

Administrative organizations; state control of local administration; personnel problems; financial administration; administrative law; public relations; standards for measuring administrative performance.

**Political Science 450. International Relations. Three hours.**

Prerequisites: History 242 and 332; Political Science 333, or nine hours of political science.

Foundations of international relations; the United States' foreign policy; geographic position; economic and strategic factors; instruments of policy; regional and world politics; problem of European peace; problem of peace in Asia; the United States and the world powers; background of World War II; the United Nations Organization and the problem of lasting peace.

**Political Science 471. Seminar. One hour.**

The purpose of this course is to promote group discussion of problems, methods of investigation, and theory in the social sciences. Current social science periodicals and reports are used as bases for study and discussion.

## HOME ECONOMICS

Miss Bolin  
Mrs. Hale

Mrs. Rice  
Miss Kauffman

### OBJECTIVES:

1. To meet the needs of those who wish to qualify as teachers of Vocational Home Economics.
2. To offer a field of major study for girls who have special interests in home economics but who may not wish to qualify as teachers of the subject.
3. To provide worthwhile experiences in home making for students majoring in other fields who can benefit from courses in home economics.





## REQUIREMENTS:

*For the Bachelor of Science Degree and the Certificate in Vocational Home Economics* Sem. Hrs.

Home Economics 101, 130, 140, 141, 231, 241, 251, 303, 331, 341, 351, 355, 362, 431, 451, 452, 453, 454, 470, and 475 .....	62
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## Additional requirements in other fields:

Freshman Orientation .....	1
Art 291 and 292 .....	4
Science 101 .....	3
Biology 317 and 332 .....	8
Chemistry 111, 112 and 225 (Special Sections) .....	12
Economics .....	4
Education 100, 210 and 211 .....	7
English 101, 102, 201 and Speech 280 .....	12
History 132 and 400 .....	6
Mathematics 101 .....	3
Physical Education .....	2
Sociology 170 .....	3
Elective .....	3
Minimum for the degree .....	130

*For a Major:* (This program does not qualify for teaching Vocational Home Economics.)

Home Economics 130, 140, 141, 231, 241, 251, 301, 303, 355, and 451 .....	29
(Other combinations for this major may be arranged with the approval of the department.)	

*For a Minor:*

Home Economics 130, 140, 141, 231 and 241 .....	15
Elective in home economics approved by the department .....	6
Minimum for a Minor .....	21

*For a Core Curriculum Field:*

Six or more hours in home economics.

## SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

## VOCATIONAL HOME ECONOMICS

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	1½	P. E. 100b—Orientation in Phys. Ed.	1½
Freshman Orientation	1	Ed. 100—Orientation in Education	1
H. Ec. 101—Personal and Family Living	3	H. Ec. 130—Elem. Nutrition and Food Planning	3
H. Ec. 140—Elem. Clothing and Textiles	3	H. Ec. 141—Prob. in Cloth. Des. and Const.	3
Sci. 101—Int. to Biological Science	3	Math. 101—Business Arithmetic	3
Hist. 132—History of Civilization	3	Soc. 170—Rural Sociology	3
	<hr/> 16½		<hr/> 16½

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Sp. 280—Basic Speech	3
P. E.—Activity Course	1½	P. E.—Activity Course	1½
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Econ. 201—Principles of Economics	4	H. Ec. 231—Food Plan. and Meal Preparation	3
Chem. 111—General Chemistry	4	H. Ec. 251—Household Equipment	3
H. Ec. 241—Cloth. Selection and Construction	2	Chem. 112—General Chemistry	4
	<hr/> 16½		<hr/> 16½

## JUNIOR YEAR

First Semester		Second Semester	
Chem. 225—Organic Chemistry	4	Biol. 332—Human Physiology	4
H. Ec. 301—Consumer Problems	3	H. Ec. 303—Home Nursing and Family Health	3
H. Ec. 331—Adv. Meal Prep. and Table Serv.	3	H. Ec. 351—Housing	3
H. Ec. 341—Advanced Clothing	2	H. Ec. 452—Home Management	2
Art. 291—Color and Design	2	H. Ec. 355—Child Development	3
Elective	3	Art. 292—Costume Design	2
	<hr/> 17		<hr/> 17

## SENIOR YEAR

First Semester		Second Semester	
Biol. 317—Bacteriology	4	Hist. 400—American Foundations	3
H. Ec. 431—Advanced Nutrition	3	H. Ec. 451—Home Furnishings	3
H. Ec. 453—Social Problems of the Family	3	H. Ec. 475—Student Teaching in H. Ec.	8
H. Ec. 470—Methods of Teach. Voc. H. Ec.	3		
H. Ec. 454—Home Management House	3		
	<hr/> 16		<hr/> 14

## CLASSIFICATION OF HOME ECONOMICS COURSES

Family Economics and Home Management—H. Ec. 362, 452, 454  
 Housing, Home Furnishings and Equipment—H. Ec. 251, 351, 451  
 Food and Nutrition—H. Ec. 130, 231, 331, 431  
 Clothing and Textiles—H. Ec. 140, 141, 241, 341  
 Health and Home Care of the Sick—H. Ec. 303  
 Family Relations and Child Care—H. Ec. 101, 355, 453

## DESCRIPTION OF COURSES

**Home Economics 101. Personal and Family Living. Three hours.**

Understanding the college program in home economics and the professional opportunities offered; human values and their relation

to good living; responsibilities to home and family; factors that contribute to a well adjusted college life; becoming a part of the community. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 130. Elementary Nutrition and Food Planning. Three hours.**

Food selection at home and in public places; food requirements at different age levels and for occupational and other activities; over-weight and under-weight; food in relation to general health and evaluation of dietaries; preparation of beverages, fruits, meals, starchy sauces and desserts, egg and milk dishes, vegetables, salads, and protein dishes. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 140. Elementary Clothing and Textiles. Three hours.**

Choice and care of clothing for college wear. Recognition of the various materials of which fabrics are made; the origin, manufacture, durability, cost, uses and care of fibers; simple tests for identification of all fibers. One lecture-discussion period and two two-hour laboratory periods per week.

**Home Economics 141. Clothing Design and Construction. Three hours.**

Prerequisite: Home Economics 140.

Principles of clothing design; sewing machine and its attachments; interpretation, alteration and use of commercial patterns; problems of fitting; clothing construction processes and problems; development of techniques in the use of linen and cotton. All materials are furnished by the students. One lecture-discussion period and two two-hour laboratory periods per week.

**Home Economics 190. Clothing Renovation and Construction. Two hours.**

Each individual receives assistance with her own personal problems. Beginners are taught how to sew and more experienced students make clothing according to their ability. The construction of all types of garments is practiced. Two two-hour laboratory periods per week.

**Home Economics 230. Nutrition and Dietetics. Three hours.**

Prerequisites: Home Economics 130.

Designed for students of nursing. Principles of nutrition and practice in planning, adjusting and preparing dietaries. One lecture-discussion period and four laboratory hours per week.

**Home Economics 231. Food for the Family. Three hours.**

Prerequisites: Home Economics 101 and 130.

Principles of food storage and preservation; use of common

foods in the family's food plans; special attention to inexpensive main dishes, yeast breads, and desserts. A day's dietary will be prepared, using good methods of marketing and accounting. One lecture-discussion period and two two-hour laboratory periods per week.

**Home Economics 241. Family Clothing Problems. Two hours.**

Prerequisites: Home Economics 140 and 141.

A study of essential factors entering into a wise choice of clothing for the family; clothing for children of different age levels; selection of garments for all members of the family; principles of construction practices in the making of simple garments of cotton, wool or rayon; construction of one child's garment and one made-over project. One lecture-discussion period and one two-hour laboratory period per week.

**Home Economics 242. Personal Clothing. Two hours.**

Practical training in the planning, selection, and construction of the personal wardrobe from the aesthetic, economic, and hygienic viewpoints; a study of clothing emphasizing good taste, psychology of dress and care. Materials for garments furnished by students. One lecture-discussion period and one two-hour laboratory period per week.

**Home Economics 251. Household Equipment. Three hours.**

Equipment lists; study and evaluation of available makes of each type of equipment; principles of electricity; use, care, and simple repair of home equipment. Notebook, surveys, term report, and field trips. One lecture-discussion period and two two-hour laboratory periods per week.

**Home Economics 280. Textile Decoration. Two hours.**

Prerequisite: Art 121 or 291.

The course provides opportunity in making objects of art for personal use through the medium of textile paintings and needlework. Individual problems are chosen and completed according to the needs and interests of students. One original design is selected and executed by each student. Two two-hour laboratory-discussion periods per week.

**Home Economics 302. Nutrition for Elementary Teachers. Two hours.**

The symptoms of good and poor nutrition; basic food needs; guides for planning adequate dietaries; making nutrition a part of the school program; establishing good food habits; carrying on a school lunch program. Two lecture-discussion periods per week.

**Home Economics 303. Home Nursing and Family Health. Three hours.**

Prerequisites: Home Economics 130, Biology 101 and 332.

Training in simple procedures in the care of the sick and minor accidents in the home; a study of disease prevention and health promotion for the family; cost of medical care. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 331. Advanced Meal Preparation and Table Service. Three hours.**

Prerequisite: Home Economics 231.

The planning, preparing and serving of breakfasts, luncheons, dinners, and banquets and other special occasions; marketing, budgeting, and accounting. One lecture-discussion period and two two-hour laboratory periods per week.

**Home Economics 332. Quantity Cookery. Two hours.**

Prerequisite: Home Economics 231.

Menu planning; amounts needed to serve groups of various sizes; food costs; use of equipment; food preparation in quantity; good service. Laboratory work is done in the college cafeteria under the direction of the dietitian.

**Home Economics 334. Advanced Cookery. Three hours.**

Prerequisite: Home Economics 331.

Standard products and factors which affect them; individual topics for investigation as related to ingredients used, time, temperature, and methods of mixing; principles and techniques involved in demonstrations in food and nutrition and practical experiences in demonstrations that can be applied to the needs of business, the classroom and community, and extension work. Three two-hour laboratory-discussion periods per week.

**Home Economics 341. Advanced Clothing. Two hours.**

Prerequisites: Home Economics 241 and Art 292.

Application of principles of costume design to flat pattern designing and draping; development of techniques in use of natural and new fibers; application of different finishing techniques. Garments are constructed from original designs. A study is made of new developments in the textile field. Two two-hour laboratory-discussion periods per week.

**Home Economics 351. Housing. Three hours.**

Prerequisite: Economics 201.

House plans and their influence on family and community life; housing laws; zoning; work areas leading to conservation of energy and time in housekeeping activities; modern trends in heating, plumbing and lighting the home; economic problems of the home; trends in American and foreign housing from the custom-built to

the prefabricated house of today. Lectures, discussions, field trips, reports, comprehensive scrapbook and term paper. Three lecture-discussion periods per week.

**Home Economics 355. Child Development. Three hours.**

The home; parents and their responsibilities; training the child in the formation of good physical, mental, social, emotional, and religious habits; applications of child psychology; toys and play equipment; influence of nature, art, music, literature, and drama on the child; directed experiences in observing and working with pre-school children. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 362. Consumer Education. Three hours.**

Prerequisite: Economics 201.

Selection of consumer goods and services; buying habits; legislation affecting branding, labeling and other industrial and economic problems that affect standards of living. Three lecture-discussion periods per week.

**Home Economics 431. Advanced Nutrition. Three hours.**

Prerequisites: Home Economics 331 and chemistry.

Energy, metabolism, fats, carbohydrates, proteins, minerals, vitamins, digestion, and enzymes; dietary requirements for different ages, sexes, and conditions; national nutrition problems; prevention and treatment of general malnutrition; diet in common diseases; infant feeding; adequate diets at different cost levels. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 432. Food Selection and Preparation. Two hours.**

Importance of correct food habits; menu planning at home and in public places; food purchasing; preparation of a variety of foods; serving meals.

**Home Economics 441. Tailoring. Two hours.**

Prerequisite: Home Economics 341.

Individual problems are chosen with emphasis on the selection of suitable materials; fitting and construction problems involved; fundamental tailoring problems and finishes. All material for the construction of garments, including a wool suit or coat, is furnished by the student. Two two-hour laboratory-discussion periods per week.

**Home Economics 451. Home Furnishings. Three hours.**

Prerequisites: Home Economics 140, 141, and 351; and Art 291. (Non-majors who do not meet these requirements may enroll with the permission of the instructor.)

Principles of design and their application to proper treatment



of interiors and selection of furniture, furnishings, and accessories; proper treatment of walls, floors, and windows. Lectures, discussions, reports, comprehensive notebook, term paper, field trips, and practical problems. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 452. Home Management. Two hours.**

Prerequisite: Home Economics 301.

Philosophy, goals, and values of homemaking; job analysis and work simplification; care and repair of household furnishings and equipment; financial aspects of home making: budgeting, insurance, and credit.

**Home Economics 453. Social Problems of the Family. Three hours.**

Historical background of the family; standards of social conduct and relationships; marriage factors which are detrimental to happy family life; position of the children in the home; economic independence of women; home-making as a profession; the family and the community; current events that affect family life. Offered in the senior year, this course crystallizes student thinking resulting from all previous courses in home economics and its related fields.

**Home Economics 454. Home Management House. Three hours.**

Prerequisites: Home Economics 231, 351, and 452 (or parallel).

Experience in the practical aspects of homemaking; opportunity for social experiences. Arrangements for living in the Home Management House must be made with the head of the department. Reservations should be made by mid-term of the preceding semester.

**Home Economics 470. Methods of Teaching Vocational Home Economics. Three hours.**

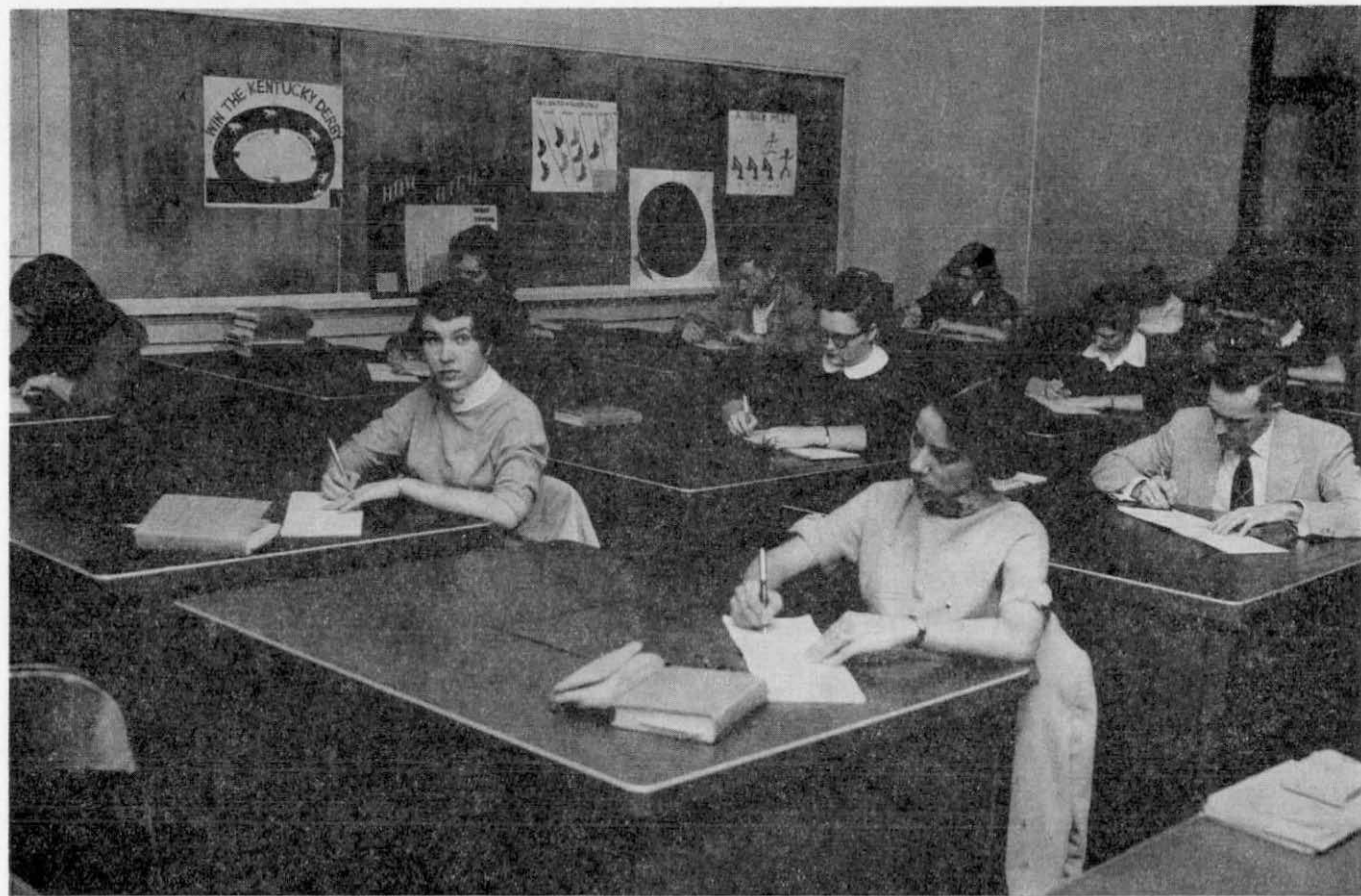
Prerequisite: Senior standing in home economics.

The history of home economics and the vocational education program; contribution to a life adjustment program in personal, family, and community living; the community and participation in its activities; study methods, techniques, and teaching aids.

**Home Economics 475. Student Teaching in Home Economics. Eight hours.**

Prerequisites: Home Economics 470 and permission of the Director of the Training School.

Each student is required to teach a minimum of ninety class meetings of sixty minutes each, teach units in three areas of home making, attend two class meetings each week, have individual or group conferences daily with the critic teacher, and spend such additional time in the department as is necessary for effective teaching. In addition to the day-school experience, a unit and ten



lessons are planned and taught to adult and out-of-school youth. Time is also spent with the Future Homemakers of America Association, the cannery, school lunch, community organizations, and making home visits for project supervision.

## INDUSTRIAL ARTS

Mr. Mays

Mr. Roberts

### OBJECTIVES:

1. To train teachers of industrial arts for the secondary school and to offer service courses designed to prepare elementary teachers for more effective effort in construction activities.
2. To offer the basic courses required of engineering students.
3. To provide an opportunity for any student to develop skill in the field, both for its practical value and as an avocation.

### REQUIREMENTS:

<i>For a Major:</i>	Sem. Hrs.
Industrial Arts 103, 110, 111, 203, 210, 211, 283, 286, 304, 311, and 471 .....	29
Additional requirements in related fields:	
Art 101 and 341 .....	4
Mathematics 101 .....	3
Science 103 and 104 .....	6
 <i>For a Minor:</i>	
Industrial Arts 103, 110, 111, 203, 211, and 286 .....	17
Elective in industrial arts .....	3
Total for a Minor .....	20

### SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

### Provisional High School Certificate with a First Major in Industrial Arts

FRESHMAN YEAR			
First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	½	P. E. 100b—Orientation in Phys. Ed.	½
Freshman Orientation	1	Ed. 100—Orientation in Education	1
I. A. 103—Elem. Mechanical Draw.	3	I. A. 203—Adv. Mechanical Draw.	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
or		or	
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Hist. 131—History of Civilization	3	Hist. 132—History of Civilization	3
Math. 101—Business Arithmetic	3	P. E. 104—Personal Hygiene	2
		Art. 101—Drawing	2
	<hr/> 16½		<hr/> 17½

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
P. E.—Activity Course	$\frac{1}{2}$	P. E.—Activity Course	$\frac{1}{2}$
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
I. A. 111—General Woodwork I	3	I. A. 211—General Woodwork II	3
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or		or	
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Second Major	3	Second Major	3
P. E. 285—Community Recreation	2	I. A. 110—Elementary Woodturning	2
	<hr/> 17 $\frac{1}{2}$		<hr/> 17 $\frac{1}{2}$

## JUNIOR YEAR

First Semester		Second Semester	
I. A. 210—Advanced Woodturning	2	Ed. 472—Fundamentals of	
I. A. 283—Sheetmetal	3	Secondary Education	4
Second Major	6	I. A. 286—Metalwork	3
Art 341—Crafts	2	Second Major	6
Ec. 201—Principles of Economics	4	*Advanced Elective	4
	<hr/> 17		<hr/> 17

## SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
I. A. 311—Design and Const. of Furniture	3	I. A. 304—Architectural Drawing	3
Hist. 400—American Foundations	3	Art 442—Crafts II	2
Second Major	3	Second Major	3
	<hr/> 13		<hr/> 12

## DESCRIPTION OF COURSES

**Industrial Arts 103. Elementary Mechanical Drawing. Three hours.**

Use and care of drawing instruments and supplies; lettering; geometric constructions; orthographic projection; dimensioning; and sectioning.

**Industrial Arts 110. Elementary Woodturning. Two hours.**

Sharpening and use of turning tools; exercises in spindle, face-plate, and chuck turning.

**Industrial Arts 111. Elementary Woodwork. Three hours.**

Care and adjustment of tools; elementary operations; construction of simple projects.

**Industrial Arts 203. Advanced Mechanical Drawing. Three hours.**

Prerequisite: Industrial Arts 103.

Problems in projections, intersections, revolutions and developments.

**Industrial Arts 210. Advanced Woodturning. Two hours.**

Prerequisite: Industrial Arts 110.

Turning furniture projects on the lathe; special attention given to design and finish.

**Industrial Arts 211. Advanced Woodwork. Three hours.**

Prerequisite: Industrial Arts 111.

Use and care of woodworking tools and machines; design and construction of small pieces of furniture.

**Industrial Arts 283. Sheetmetal. Three hours.**

Care and use of sheetmetal equipment. Designing, layouts, templates, soldering, brazing, seaming, punching, riveting and forming.

**Industrial Arts 286. Metalwork. Three hours.**

Selected units in bench metal, forging, heat-treating, machine shop, art metal, sheet metal, and welding together with related technical information.

**Industrial Arts 304. Architectural Drawing. Three hours.**

Prerequisite: Industrial Arts 203.

Architectural lettering; symbols and conventions; drawing, tracing, and blueprinting the plans of a small house.

**Industrial Arts 311. Design and Construction of Furniture. Three hours.**

Prerequisite: Industrial Arts 211.

Emphasis on the operation of stationary and portable machines; machining stock for one project which must be designed, assembled and finished.

**Industrial Arts 351. House Planning and Construction. Three hours.**

Planning of small homes (non-technical); building materials and fixtures.

**Industrial Arts 383. Art Metal Work. Three hours.**

The work is planned to require a minimum of equipment in developing projects in copper, brass, pewter, etc.

**Industrial Arts 388. Machine Shop. Three hours.**

Units include basic bench metal work and experiences in the operation of the lathe, milling machine, shaper, drilling machine, and contour saw.

**Industrial Arts 390. Yearbook Production. Three hours.**

Prerequisite: Permission of the instructor.

Planning the book, covers, photography, special forms and copy style, printing, artwork, staff organization, and advertising.

**Industrial Arts 460. History of Industrial Arts. Three hours.**

A study of the development of the field of industrial arts.

**Industrial Arts 471. Seminar. One hour.**

A study of the industrial background in Europe and its influ-

ence on the development of industrial arts in the schools of the United States.

**Industrial Arts 474. Vocational Education. Three hours.**

A survey of the modern industrial system, corporation schools, trade schools, etc.; state and national legislation affecting vocational education is studied.

**Industrial Arts 475. Teaching Industrial Arts. Three hours.**

A study of the problems in teaching and supervising industrial arts in the public schools; instructional aids, tests and measurements, and professional reading.

### LIBRARY SCIENCE

Miss Chapman

Miss Williams

**OBJECTIVES:**

1. To make all students more proficient in the use of the library.
2. To provide basic library courses for classroom teachers, the high school librarian, and administrators.

**REQUIREMENTS:**

*For a Minor:*

Library Science 227, 301, 311, 321, 411, and 475 ..... 18

**Certification requirements for the Elementary School Librarianship**

An elementary teaching certificate based upon a baccalaureate or a master's degree will be valid for the elementary school librarianship, provided the following courses in library science have been completed:

	Sem. Hrs.
School library organization and administration .....	3
Books, references, and related materials for children and young people, which include the content of the course—Literature for Children .....	9
Cataloging and classification .....	3
School library practice .....	3
(The requirement in school library practice may be met by one-third of the student teaching having been devoted to school library practice or by three semester hours in school library practice being taken in addition to the full amount required in student teaching.)	

**Certification requirements for the High School Librarianship**

A high school certificate based upon a baccalaureate or a master's degree will be valid for the high school librarianship,



provided the following courses in library science have been completed:

	Sem. Hrs.
School library organization and administration .....	3
Books, references, and related materials for children and young people, which include the content of the course—Literature for Children .....	9
Cataloging and classification .....	3
School library practice .....	3
(The requirement in school library practice may be met by one-third of the student teaching having been devoted to school library practice or by three semester hours in school library practice being taken in addition to the full amount required in student teaching.)	

Note: The certificate for the elementary school librarianship may be validated for the high school or twelve-grade librarianship upon completion of the course—Fundamentals of Secondary Education. The certificate for the high school librarianship may be validated for the elementary school or twelve-grade librarianship upon completion of the courses—Fundamentals of Elementary Education and Teaching of Reading.

### DESCRIPTION OF COURSES

**Library Science 227. (Also Education 227.) Literature for Children. Three hours.**

Prerequisites: English 102.

The periods of story-interests; literature for each period, including myths, legends, folklore, etc.; correlation of literature with other school subjects; methods of presenting literature that will give enjoyment to children and develop appreciation. Extensive reading of the literature and observation lessons in the Training School are required.

**Library Science 301. Library Organization and Administration. Three hours.**

An introductory course, giving a broad picture of the school library and its function in the total school program. It includes the study of housing and equipment, the acquisition and mechanical processing of library materials, circulation routines, public relations, use of student staff, knowledge of library standards, and related topics. Offered First Semester.

**Library Science 311. Cataloging and Classification. Three hours.**

The Dewey Decimal Classification; principles and methods of simplified cataloging, including subject headings needed by school librarians. Skill in typing is strongly recommended. Offered Second Semester.

**Library Science 321. Book Selection. Three hours.**

A study of the underlying principles of selecting books and related materials for young people. Included are a study of reading interests, development of criteria for judging books, an acquaintance with books in various fields and book selection aids.

**Library Science 411. Reference and Bibliography. Three hours.**

This is a study of general reference books and reference books in certain subject fields. Some practice in bibliography-making is included.

**Library Science 475. School Library Practice. Three hours.**

Prerequisite: All other library science courses except those taken at the same time as the practice work.

The practical application of all procedures which are used in a modern school library. Reading guidance, story telling, book-talks and organization of unit materials are stressed.

**Library Science 500. Library Science for Administrators. Two hours.**

This course is designed to acquaint administrators with the function of the school library as a part of the total school program. It is a survey of all phases of the work of the library.

**MUSIC**

Mr. Duncan  
Mr. Huffman

Mr. Carter  
Mrs. Severy

Mr. Marzan  
Mr. Woelflin

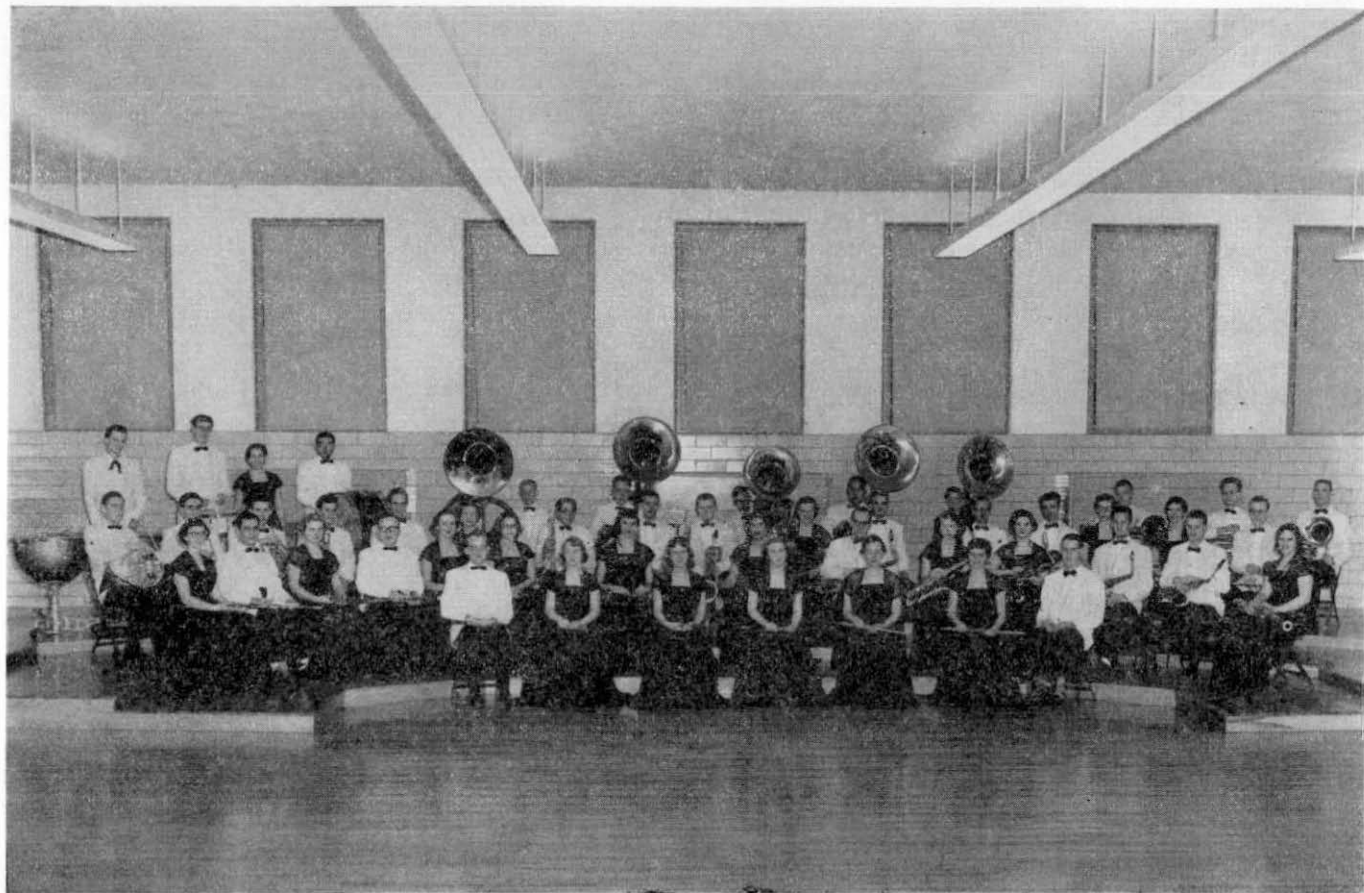
**OBJECTIVES:**

1. To develop a sensitivity to the art and a functional understanding of music.
2. To equip the prospective teacher with the materials and techniques required of vocal, instrumental, and classroom music teachers.
3. To provide the music student and the general student opportunities for participation in performing ensembles.

**REQUIREMENTS:**

*Area of Concentration in Music:* (This is the program best suited for those students who expect to teach music exclusively.)

	Sem. Hrs.
1. Applied Music .....	24-26



2. Theory of Music .....	16-20
3. History and Appreciation of Music .....	8
4. Music Education .....	5-10
5. Seminar .....	1

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Minimum for an Area of Concentration .....	60
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*Area of Concentration in Applied Music:* (This program is designed for those students who are planning for a professional career in music. It does not meet the requirements for certification to teach in the public schools.)

1. Applied Music .....	28-32
2. Theory of Music .....	18-21
3. History and Appreciation of Music .....	8-12
4. Recital .....	2

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Minimum for an Area of Concentration .....	60
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*Area of Concentration in Music Theory:* (This program is designed for those students who are planning for a professional career as composer or arranger, or as a theory teacher.)

1. Applied Music .....	16-20
2. Theory of Music .....	22-30
3. History and Appreciation .....	8-12
4. Concert of Original Compositions .....	2
5. Music Education (for students who expect to qualify for certification) .....	5-10

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Minimum for an Area of Concentration .....	60
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*Teaching Major in Music:* (This program provides a basic background of preparation in the field of music education. Students selecting this major must complete the requirements for an additional major, or two minors.)

1. Applied Music .....	14-18
2. Theory of Music .....	12-15
3. History and Appreciation of Music .....	2
4. Music Education .....	5- 8
5. Seminar .....	1

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Minimum for the Major .....	36
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*Teaching Minor in Music:*

1. Applied Music .....	11
2. Theory of Music .....	6
3. History and Appreciation of Music .....	2
4. Music Education .....	5
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Minimum for the Minor .....	24

*Non-Teaching Major in Music:*

1. Applied Music .....	8
2. Theory of Music .....	12
3. History and Appreciation of Music .....	2
4. Elective in any area of music .....	3
<hr/>	
Minimum for the Major .....	25

*Non-Teaching Minor in Music:*

1. Applied Music .....	6
2. Theory of Music .....	6
3. History and Appreciation of Music .....	2
4. Elective in any area of music .....	4
<hr/>	
Minimum for the Minor .....	18

## SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements.

## Area of Concentration in Music Education

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Educ. 100—Orientation in Education	1
Sci. 101—Int. to Biological Science	3	Eng. 102—Writing and Speaking	3
or	3	Sci. 102—Int. to Biological Science	3
Sci. 103—Int. to Physical Science	3	or	3
Hist. 131—History of Civilization	3	Sci. 104—Int. to Physical Science	3
Mus. 131—Fund. of Music	3	Hist. 132—History of Civilization	3
Theory I	3	Mus. 132—Fund. of Music	3
Mus. 161—Literature of Music I	1	Theory II	3
Private Applied Music	1	Mus. 162—Literature of Music II	1
Class Strings	1	Private Applied Music	1
Large Ensembles	1	Class Percussion	1
P. E. 100a—Orientation in Phys. Ed.	½	Large Ensembles	1
		P. E. 100b—Orientation in Phys. Ed.	½
<hr/>		<hr/>	
17½		17½	

## SOPHOMORE YEAR

First Semester		Second Semester	
Educ. 210—Human Growth & Development	3	Educ. 211—Human Growth & Development	3
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or		or	
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
P. E. 104—Personal Hygiene	2	P. E. 285—Community Recreation	2
Mus. 231—Fund. of Music	3	Mus. 232—Fund. of Music	3
Theory III		Theory IV	
Private Applied		Private Applied	
Music	1 or 2	Music	1 or 2
Large Ensembles	1	Large Ensembles	1
Small Ensembles	0 or 1	Small Ensembles	0 or 1
Physical Ed. Activity	$\frac{1}{2}$	Physical Ed. Activity	$\frac{1}{2}$
	<hr/> 17 $\frac{1}{2}$		<hr/> 17 $\frac{1}{2}$

## JUNIOR YEAR

First Semester		Second Semester	
Educ. 361—History of Music I	3	Educ. 472—Fund. of Secondary Education	4
Elective in Music	3	Mus. 362—History of Music II	3
Theory	2	Elective in Music	2
Elective in Music		Theory	
Education	3	Elective in Music	3
Private Applied		Education	
Music	1 or 2	Private Applied	
Class Applied Music	1	Music	1 or 2
Large Ensembles	1	Class Applied Music	1
Small Ensembles	0 or 1	Large Ensembles	1
Mus. 471—Conducting I	2	Small Ensembles	0 or 1
	<hr/> 17		<hr/> 16

## SENIOR YEAR

First Semester		Second Semester	
Educ. 375—Student Teaching	4	Elective in Social Science	3
Hist. 400—American Foundations	3	Educ. 475—Student Teaching	4
Private Applied		General Elective	2 to 4
Music	1 or 2	Mus. 480—Seminar	1
Class Applied Music	1	Private Applied	
Large Ensembles	0 or 1	Music	1 or 2
Elective in Music	0 to 2	Class Applied Music	1
		Large Ensembles	1
		Small Ensembles	0 or 1
		Mus. 450—Applied & Music	
		Ed. Exam.	1 or 2
		or	
		Mus. 460—Senior Recital	
	<hr/> 15-17		<hr/> 15

## Area of Concentration in Applied Music

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
Hist. 131—History of Civilization	3	Hist. 132—History of Civilization	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
or		or	
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Mus. 131—Fund. of Music	3	Mus. 132—Fund. of Music	3
Theory I		Theory II	
Mus. 161—Literature of Music I	1	Mus. 162—Literature of Music II	1
Private Applied Music	2	Private Applied Music	2
Ensembles	1	Ensembles	1
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	Elective in Applied	
		Music	1
		P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
	<hr/> 17 $\frac{1}{2}$		<hr/> 17 $\frac{1}{2}$



## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Introduction to Literature	3
Sci. 103—Int. to Physical Science or	3	Sci. 104—Int. to Physical Science or	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Foreign Language	3	Foreign Language	3
Mus. 231—Fund. of Music Theory III	3	Mus. 232—Fund. of Music Theory	3
Private Applied Music	2	Private Applied Music	2
Ensembles	1	Ensembles	1
P. E. 104—Personal Hygiene	2	Elective in Applied Music	1
Physical Ed. Activity	$\frac{1}{2}$	Physical Ed. Activity	$\frac{1}{2}$
	<hr/> 17½		<hr/> 16½

## JUNIOR YEAR

First Semester		Second Semester	
Foreign Language	3	Foreign Language	3
Elective in Social Science	3	Hist. 400—American Foundations	3
Math. 131—General Mathematics	3	Math. 132—General Mathematics	3
Elective in Music Theory	2	Elective in Music Theory	2
Private Applied Music	2	Private Applied Music	2
Ensembles	1	Ensembles	1
Elective in Applied Music	1	Elective in Applied Music	1
	<hr/> 15		<hr/> 16

## SENIOR YEAR

First Semester		Second Semester	
Mus. 361—History of Music I	3	Mus. 362—History of Music II	3
Academic elective	6	Academic elective	3
Elective in Music Theory	2	Mus. 460—Senior Recital	2
Elective in Music	2	Elective in Music	3-5
Private Applied Music	2	Private Applied Music	2
Ensembles	1	Ensembles	1
	<hr/> 16		<hr/> 14-16

## Area of Concentration in Music Theory (With Certificate)

## FRESHMAN YEAR

First Semester		Second Semester	
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
Sci. 101—Int. to Biological Science or	3	Sci. 102—Int. to Biological Science or	3
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Mus. 131—Fund. of Music Theory I	3	Mus. 132—Fund. of Music Theory II	3
Mus. 161—Literature of Music I	1	Mus. 162—Literature of Music II	1
Mus. 163—Elementary Composition I	2	Mus. 164—Elementary Composition II	2
Private Applied Music	1	Private Applied Music	1
Class Strings	1	Class Percussion	1
Large Ensembles	1	Large Ensembles	1
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
	<hr/> 16½		<hr/> 16½

## SOPHOMORE YEAR

First Semester		Second Semester	
Educ. 210—Human Growth & Development I	3	Educ. 211—Human Growth & Development II	3
Hist. 131—History of Civilization	3	Hist. 132—History of Civilization	3
P. E. 104—Personal Hygiene	2	P. E. 285—Community Recreation	2
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
or		or	
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Mus. 231—Fund. of Music	3	Mus. 232—Fund. of Music	3
Theory III		Theory IV	
Mus. 263—Intermediate Composition I	2	Mus. 264—Intermediate Composition II	2
Private Applied Music	1	Private Applied Music	1
Physical Ed. Activity	$\frac{1}{2}$	Physical Ed. Activity	$\frac{1}{2}$
	<hr/> 17½		<hr/> 17½

## JUNIOR YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Int. to Literature	3
Elective in Core Curriculum	3	Educ. 472—Fund. of Secondary Education	4
Mus. 361—History of Music I	3	Mus. 362—History of Music II	3
Mus. 363—Advanced Composition I	2	Mus. 364—Advanced Composition II	2
Elective in Music Education	3	Elective in Music Education	3
Private Applied Music	1	Private Applied Music	1
Class Applied Music	1	Class Applied Music	1
Ensembles	1		
	<hr/> 17		<hr/> 17

## SENIOR YEAR

First Semester		Second Semester	
Educ. 375—Student Teaching	4	Educ. 475—Student Teaching	4
Elective in social science	3	Hist. 400—American Foundations	3
Elective in Core Curriculum	3	Mus. 480—Seminar	1
Mus. 471—Conducting I	2	Mus. 470—Recital	2
Mus. 463—Creative Writing I	2	Mus. 464—Creative Writing II	2
Private Applied Music	1	Class Applied Music	1
	<hr/> 15		<hr/> 13

## Area of Concentration in Music Theory (Without Certificate)

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
Hist. 131—History of Civilization	3	Hist. 132—History of Civilization	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
or		or	
Sci. 103—Int. to Physical Science	3	Sci. 104—Int. to Physical Science	3
Mus. 131—Fund. of Music	3	Mus. 132—Fund. of Music	3
Theory I		Theory II	
Mus. 163—Elementary Composition I	2	Mus. 164—Elementary Composition II	2
Private Applied Music	1	Private Applied Music	1
Ensembles	1	Ensembles	1
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
	<hr/> 17½		<hr/> 17½

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Introduction to Literature	3
Sci. 103—Int. to Physical Science or	3	Sci. 104—Int. to Physical Science or	3
Sci. 101—Int. to Biological Science	3	Sci. 102—Int. to Biological Science	3
Mus. 231—Fund. of Music	3	Mus. 232—Fund. of Music	3
Theory III	3	Theory IV	3
Mus. 263—Intermediate Composition I	2	Mus. 264—Intermediate Composition II	2
Private Applied Music	1	Private Applied Music	1
P. E. 104—Personal Hygiene	2	Ensembles	1
Physical Ed. Activity	$\frac{1}{2}$	Physical Ed. Activity	$\frac{1}{2}$
	<hr/> 17 $\frac{1}{2}$		<hr/> 16 $\frac{1}{2}$

## JUNIOR YEAR

First Semester		Second Semester	
Math. 131—General Mathematics	3	Math. 132—General Mathematics	3
Academic elective	3	Academic elective	3
Mus. 363—Advanced Composition I	2	Mus. 364—Advanced Composition II	2
Private Applied Music	1	Private Applied Music	1
Class Applied Music	1	Class Applied Music	1
Ensembles	1	Ensembles	1
Elective in Music Theory	2	Elective in Music Theory	2
	<hr/> 16		<hr/> 16

## SENIOR YEAR

First Semester		Second Semester	
Elective in Social Science	3	Hist. 400—American Foundations	3
Academic elective	3	General elective	2
Mus. 361—History of Music I	3	Mus. 362—History of Music II	3
Mus. 463—Creative Writing I	2	Mus. 464—Creative Writing II	2
Private Applied Music	1	Private Applied Music	1
Class Applied Music	1	Class Applied Music	1
Ensembles	1	Ensembles	1
Elective in Music Education	0-2	Mus. 470—Recital	2
	<hr/> 14-16		<hr/> 15

## APPLIED MUSIC

Applied music is interpreted as those courses and activities which involve vocal or instrumental performance, individually or in groups, including private and class lessons and large and small ensembles. The major applied instrument is interpreted as that instrument (or voice) upon which the student expects to develop his maximum performance skill.

A student with an area of concentration in music is expected to register for private instruction on his major applied instrument every semester for a total minimum of eight semester hours of credit. In the freshman year the instruction will entail both individual and small group instruction, the latter to develop ensemble skills. In the sophomore, junior, and senior years the distribution between individual and group instruction will be determined by the needs of the individual.

A student with an area of concentration in music education will participate in at least two large ensembles each semester with or without credit. (Note exception below.) A choice of two large ensembles in the same field — Chorus and Concert Choir, for example — must be avoided in satisfying this requirement. A student with an area of concentration in applied music may elect a small ensemble in lieu of one of the large ensembles.

A student with an area of concentration in applied music will give a public senior recital. At least six weeks before the date of the recital he will play all or part of his proposed program for a faculty jury. A student with an area of concentration in music education may give a public senior recital or may elect to prepare a partial recital to perform for a faculty jury only and in addition be examined on questions dealing with music education. A student who is preparing a senior recital will be required to participate in only one large ensemble during the semester in which he will give his recital. On the advice of his major applied instructor, he may observe the same procedure during the immediately preceding semester. No student with less than senior standing will be permitted to give a senior recital.

At the end of each semester major applied examinations will be heard by a faculty jury to determine the student's standing.

On the first Tuesday of each month the department will present an informal student recital. Students will be scheduled to perform on the advice of their applied music instructors. All music majors and minors are required to attend. Failure to do so will be reflected in the marks in applied music.

A student who expects to teach, and whose major applied instrument is not piano, must meet the minimum piano requirements by examination or through class or private instruction. Not more than four hours of credit will be allowed for this purpose. The material for examination will consist of the following:

1. Some facility in scales, including a knowledge of key signatures.
2. Performance of compositions of approximately third grade difficulty from the works of Clementi, Bach, Mozart, etc.
3. Sight reading of four-part hymns and simple instrumental and vocal accompaniments.

*Fees for Applied Music:*

	Per Semester
Private lessons	
*Two lessons per week .....	\$35.00
*One lesson per week .....	20.00
Practice room rental and organ fee .....	5.00
Instrument rental .....	3.00

\*Under certain conditions beginning students in Applied Music may be assigned to a student assistant for instruction. In this event the lesson fee is one-half that charged for work with members of the college staff.

**DESCRIPTION OF COURSES**

Note: An "A" after the number designation indicates private instruction for two hours of credit. "Aa" indicates private instruction for one hour of credit.

**Music 111-412. Class Voice. One hour of credit per semester.**  
Fundamentals of voice production. Study of selected literature to meet the needs of the individuals.

**Music 111A(a)-512A(a). Private Voice. One or two hours of credit per semester.**

Fundamentals of singing and basic repertoire. Songs and arias in foreign languages including Italian, French, and German. Advanced work according to the ability of the student.

**Music 114-415. Class Strings. One hour of credit per semester.**  
Instruction in the basic techniques of playing violin, viola, violincello, and double bass.

**Music 114A(a)-515A(a). Private Strings. One to two hours of credit per semester.**

Instruction in the functional techniques of playing one of the string instruments. Advanced work according to the ability of the student.

**Music 117-418. Class Piano. One hour of credit per semester.**  
Designed primarily for music education majors whose major applied instrument is other than piano. The courses are intended to satisfy the minimum piano requirements of music education majors.

**Music 117A(a)-518A(a). Private Piano. One or two hours of credit per semester.**

Instruction in the fundamentals of piano playing, the notation of music, reading, and the development of interpretation and technique with emphasis on styles of the various periods and composers. Advanced work according to the ability of the student.

**Music 144A(a)-545A(a). Private Organ. One or two hours of credit per semester.**

Prerequisites: Advanced technique in piano and the consent of the instructor.

Fundamentals of organ technique with emphasis on the works of the standard organ composers such as Mendelssohn, Bach, Guilman, Franck, Dupre, etc. Advanced work according to the ability of the student.

**Music 151-452. Class Woodwinds. One hour of credit per semester.**

Instruction in the basic techniques of playing flute, oboe, clarinet, bassoon, and saxophone.

**Music 151A(a)-552A(a). Private Woodwinds. One or two hours of credit per semester.**

Instruction on one of the woodwind instruments. Advanced work according to the ability of the student.

**Music 154-455. Class Brasswinds. One hour of credit per semester.**

Instruction in the basic techniques of playing French horn, trumpet, trombone, euphonium, and tuba.

**Music 154A(a)-555A(a). Private Brasswinds. One or two hours of credit per semester.**

Instruction on one of the brasswind instruments. Advanced study according to the ability of the student.

**Music 157-458. Class Percussion. One hour of credit per semester.**

Instruction in the basic principles of playing the various standard percussion instruments.

**Music 327 and 328. Accompanying. One hour each.**

Prerequisite: Consent of the department.

Open to qualified piano students. Instruction and practice in the playing of accompaniments for individuals and groups.

**Music 450. Applied and Music Education Examination. One hour.**

May be elected by students taking the area of concentration in music education as an alternative to Music 460.

**Music 460. Senior Recital. Two hours.**

Required of students with an area of concentration in applied music. Open to other music majors with the consent of the department.

**Music 470. Composition Recital. Two hours.**

Preparation and performance of original works.

#### ENSEMBLES

A maximum of eight semester hours of credit in the large ensembles may be counted as elective credit by students who are not majoring in music. A maximum of eight semester hours in the large ensembles and four semester hours in the small ensembles and opera work shop may be counted as required and elective credit by majors in music. Credit earned in these courses in excess of the maximum indicated will be recorded and counted as additional work beyond the number of hours required for the degree.

Auditions for the various ensembles which require auditions will be held during the first week of each semester in order that students wishing credit may register without penalty.



## LARGE ENSEMBLES

**Chorus:** Open to all students who are interested in singing. Two rehearsals per week. One hour credit per semester.

**Concert Choir:** Open to a limited number of students selected by audition. Three rehearsals per week. One hour credit per semester.

**Concert and Marching Bands:** Open to students who can qualify by audition. Three rehearsals per week with additional rehearsals scheduled during football season. One hour of credit per semester.

**Symphonic Wind Ensemble:** Open to a limited number of students selected by audition. Two rehearsals per week. One hour of credit per semester.

**Orchestra:** Open to students who can qualify by audition. Two to three rehearsals per week. One hour of credit per semester.

## SMALL ENSEMBLES

**Madrigal Singers:** Limited to a group of not more than ten students selected by audition. Two rehearsals per week. One hour of credit per semester.

**Woodwind Ensemble:** Open to selected woodwind instrumentalists who can qualify by audition. Two rehearsals per week. One hour of credit per semester.

**Brass Choir:** Open to selected brass instrumentalists who can qualify by audition. Two rehearsals per week. One hour of credit per semester.

**String Ensemble:** Open to selected string players who can qualify by audition. Two rehearsals per week. One hour of credit per semester.

**Piano Ensemble:** Open to piano students upon approval of the instructor. Emphasis upon sight reading as well as repertoire. Two rehearsals per week. One hour of credit per semester.

## THEORY OF MUSIC

**Music 100. Rudiments of Music. Three hours.**

A course in the fundamentals of music notation and the basic elements of music theory. Some work in class voice and piano. Required for elementary certificate. Prerequisite for Music 221. Offered each semester and summer session. Four periods per week.

**\*Music 131. Fundamentals of Music Theory I. Three hours.**

Sight-singing, dictation, keyboard and written harmony in one integrated course. Offered during the first semester. Four periods per week.

**\*Music 132. Fundamentals of Music Theory II. Three hours.**

Continuation of Music 131. Required for a major or minor. Offered during the second semester. Four periods per week.

**Music 163. Elementary Composition I. Two hours.**

A study of basic melodic, harmonic, rhythmic, and formal principles of composition; extensive experimentation in melody writing with simple harmonic accompaniment. Required of students with an area of concentration in music theory. Three periods per week.

**Music 164. Elementary Composition II. Two hours.**

Prerequisite: Music 163.

A continuation of Music 163. Compositions in the smaller forms and for small ensembles. Required of students with an area of concentration in music theory. Three periods per week.

**Music 231. Fundamentals of Music Theory III. Three hours.**

A continuation of Music 132. Required for a major. Offered during the first semester. Four periods per week.

**Music 232. Fundamentals of Music Theory IV. Three hours.**

A continuation of Music 231. Required for a major. Offered during the second semester. Four periods per week.

**Music 263. Intermediate Composition I. Two hours.**

Prerequisite: Music 164 or the approval of the instructor.

Study of contemporary forms, styles, and materials through the use of scores and recordings; original compositions in selected styles and forms; emphasis upon performance of students' works. Required of students with an area of concentration in music theory.

**Music 264. Intermediate Composition II. Two hours.**

Prerequisite: Music 263.

A continuation of Music 263. Composing in various forms and for various combinations of voices and instruments; emphasis upon performance and criticism by class members. Required of students with an area of concentration in music theory.

**Music 331. Counterpoint. Two hours.**

Prerequisite: Music 132 or the equivalent.

Elementary two and three-part writing; imitation; motive; development; two and three-part inventions; fugal writing for selected instruments and voices.

**Music 332. Analytical Counterpoint. Two hours.**

Prerequisite: Approval of the instructor.

Recommended for piano and organ majors and for students interested in composition. Required of piano and organ majors with an area of concentration in applied music.

**Music 363. Advanced Composition I. Two hours.**

Prerequisite: Music 264.

A continuation of Music 264. Experiments in scoring for large ensembles; study of relationships of the various choirs; attention to the development of pieces as influenced by the media of expression. Required of students with an area of concentration in music theory.

**Music 364. Advanced Composition II. Two hours.**

Prerequisite: Music 363.

A continuation of Music 363. Consideration of continuity and timing in the development of thematic, harmonic, and rhythmic materials; experiments in the use of tone color contrasts in the melodic line(s) and in the accompanimental figures. Required of students with an area of concentration in music theory.

**Music 431. Arranging. Two hours.**

Prerequisite: Music 132 or the equivalent, or approval of the instructor.

A study of the practical ranges of voices and instruments; transposition; scoring of selected materials and/or original compositions for voices and instruments.

**Music 432. Advanced Arranging. Two hours.**

Prerequisite: Music 431.

Continuation of Music 431; scoring for large vocal and instrumental ensembles; arranging for dance bands.

**Music 445. Form and Analysis. Two hours.**

Prerequisite: Music 132 or the equivalent, or approval of the instructor.

Study of the elements of musical design through aural and score analysis.

**Music 463. Creative Writing I. Two hours.**

Prerequisite: Music 364 or approval of the instructor.

Emphasis on the development of individual styles.

**Music 464. Creative Writing II. Two hours.**

Prerequisite: Music 463 or approval of the instructor.

A continuation of Music 463 with the final examination in the form of a concert of the students' works.

**Music 531. Arranging for the Marching Band. Two hours.**

Prerequisite: Music 432 or the equivalent.

Study of half-time show styles; experiments in arranging in selected styles; attention to individual needs.

\*Students who have had high school theory may, after passing a prepared examination, elect Music 163 or 164 in lieu of one or both of these courses. Music theory majors who pass the examination may elect as substitutes theory courses for which they are qualified.

## MUSIC EDUCATION

**Music 221. Music for the Elementary Teacher. Two hours.**  
Prerequisite: Music 100.

A course in methods of teaching music in rural and urban schools, with emphasis on methods and materials for elementary grades. Not open to music majors.

Offered each semester and summer session.

**Music 300. Workshop for Elementary Teachers. Two hours.**  
(Offered during the summer and by extension.)

The organization of this workshop is such that elementary teachers have an opportunity to work with materials and techniques designed to meet the everyday needs of the school room. Credit earned may be substituted for Music 221.

**Music 300P. Piano Workshop and Clinic. One hour.**

An intensive experience with the techniques and procedures of class piano for piano teachers and teachers of public school music.

**Music 301-502. Clinics in Public School Music. Three hours.**  
(Offered only by extension.)

The emphasis in these courses is directed toward the needs of the individuals enrolled. The content is related directly to the public school program in the areas of vocal, instrumental, and classroom music.

**Music 325. Materials and Methods for Elementary Grades. Three hours.**

Prerequisite: Music 232.

A course in materials and methods for the primary and intermediate grades.

**Music 329. Church Music. Two hours.**

Primarily for the organist and the minister of music. A brief survey of the place of music in the church from its beginning; study of the techniques of hymn and anthem playing; use of the organ in the service; and planning of worship services. Required of organ majors.

**Music 335. Field Experience. Three hours.**

(Open only to advanced students.)

Two full days weekly of teaching under supervision in public schools in nearby communities.

**Music 336. Field Experience. Three hours.**

A continuation of Music 335.

**Music 375. Materials and Methods for Junior and Senior High School. Three hours.**

Prerequisite: Music 232.

Materials and methods in the Junior and Senior High School;

discussion of the various activities including chorus, glee club, orchestra, band, practical or applied music, history and appreciation, and theory. Special attention is given to the subject of the adolescent voice and to correlation and integration of music with other subjects.

**Music 376. Instrumental Materials and Methods. Three hours.**

Prerequisite: Credit for Applied Music in at least two of the following fields: Strings, Brasswind, Woodwind, Percussion.

Materials and methods for the instrumental program from the elementary grades through the senior high school. Discussion of methods of instruction, organization of materials, teaching procedures, and instrumental techniques; beginning, concert, and marching bands; orchestra and ensembles; rehearsal procedures and administration. Special consideration will be given to the evaluation of methods and repertoire for the various phases of the instrumental program.

**Music 377. Instrument Repair and Maintenance. One hour.**

Demonstration and practice in the repair and maintenance of string, brasswind, percussion, and woodwind instruments including reed construction. Elective for majors and minors. Two hours per week.

**Music 400. Advanced Workshop in Elementary School Music. Two hours.**

A continuation of the experience begun in Music 300.

**Music 471. Conducting I. Two hours.**

Prerequisite: Music 232.

Required for majors and minors.

Fundamental principles of conducting, with special emphasis on school, choral, band, and orchestral repertory.

**Music 472. Conducting II. Two hours.**

Prerequisite: Music 471.

A continuation of Music 471. Experience in conducting various college ensembles.

**Music 479. Marching Band Workshop. Two hours.**

An intensive experience designed for those who are responsible for marching bands. Designing and staging of field maneuvers.

**Music 480. Seminar. One hour.**

This seminar is designed to be an aid to music major and minor students through the discussion of and possible solution of special problems which they as music teachers will meet in the service field. Required of Area Major Students. Two class meetings per week.

**Music 531. The Teaching of Theory. Three hours.**

A survey of theory; emphasis upon techniques of presentation of the materials contained in high school and college theory classes.

**MUSIC HISTORY AND APPRECIATION****Fine Arts 160. Appreciation of the Fine Arts. Three hours.**

Common expressions such as organization of form, rhythm, repetition, unity, harmony and tonality will be made meaningful through discussions, demonstrations, illustrations, slides, records, exhibitions, and musical performances.

**Music 161. Literature of Music I. One hour.**

A general course designed to promote intelligent listening and to provide a basic background of the significant literature of music. Required of music majors.

**Music 162. Literature of Music II. One hour.**

A continuation of Music 161. Required of music majors.

**Music 361. History of Music I. Three hours.**

Prerequisite: Music 100 or 231.

Designed to give students a basis of evaluation of the world's great music. Brief outline of early music history including Greek and Roman civilizations, early church music, and the art of the Netherlands. Special emphasis on Handel, Bach, Haydn, and Mozart. Fall semester.

**Music 362. History of Music II. Three hours.**

Prerequisite: Music 361 or consent of the instructor.

Nineteenth century music, Beethoven, the Romantic School, opera, the Impressionists, nationalistic tendencies, and contemporary composers. Spring semester.

**Music 590. Studies in the Literature of Music. Two hours.**

Detailed analysis of the music of individual composers, musical styles and periods.

**Music 591. School Band Literature. Two hours.**

Examination and criticism of available music for both training and concert use. Development of criteria for choosing materials for groups at various levels of attainment.

**Music 592. School Choral Literature. Two hours.**

Examination and criticism of available music for both training and concert use. Development of criteria for choosing materials for groups at various levels of attainment.



**SCIENCE AND MATHEMATICS**

Mr. West	Mr. Phillips	Mr. Fair
Mr. Owsley	Mr. Mathieu	Mr. Overstreet
Miss Heaslip	Miss Cheatham	Mrs. Cooper

**SCIENCE FOR GENERAL EDUCATION**

(The first four courses listed in this division are recommended for non-science majors in meeting the minimum requirements in science for graduation. Credit for these courses will not be accepted on a major or minor in any of the sciences.)

**~~Science 101. Introduction to Biological Science. Three hours.~~**

The history of biology; classification of animal and plant life; protoplasm and cellular structure of animals; organs and systems of vertebrate animals; simpler forms of plant life; reproduction in higher animals and plants. Two lecture-discussion periods and two laboratory periods per week.

**Science 102. Introduction to Biological Science. Three hours.**

Prerequisite: None. Science 101 desirable.

Structure, function, and life cycle of mosses, ferns, and seed plants; seeds and seedlings; the vertebrate animals; genetics; conservation. Two lecture-discussion periods and two laboratory periods per week.

**Science 103. Introduction to Physical Science. Three hours.**

(Students who have had either physics or chemistry in high school should not enroll for this course or Science 104).

The sun and its family; stars and galaxies; force, motion, heat, and energy; structure of matter; kinetic theory; electricity and magnetism; light and sound.

The procedure in this course will consist of classroom discussion, demonstration lectures, visual aids, textbook and problem assignments.

**Science 104. Introduction to Physical Science. Three hours.**

Chemical change; atomic theory; chemical formulae and ionic reactions; chemical energy and equilibrium; oxidation and reduction; compounds of carbon and silicon; minerals and rocks; record of the rocks; erosion and sedimentation; weather and climate.

**Science 380. History and Philosophy of Science. Three hours.**

Open only to junior, senior and graduate students.

The foundations and development of the natural and physical sciences and the attitudes that have been prevalent during the various eras and in different cultures from early times to the present. Three lecture-discussion periods per week.

**Science 390. Science for the Elementary Teacher. Three hours.**

Prerequisite: Science 102 and 104 or the equivalent.

Elementary science experiences suitable for the enrichment of the elementary school program; emphasis on the discovery and use of apparatus and materials in the home-school-community environment.

**BIOLOGY****OBJECTIVES:**

1. To afford students an opportunity to gain a knowledge of plants and animals as a part of their general culture.
2. To prepare teachers of nature study for the elementary school and teachers of biology for the secondary school.
3. To furnish a background for the study of certain professional courses such as agriculture, home economics, medicine, and dentistry.

**REQUIREMENTS:*****For an Area of Concentration in Science (Emphasis on Biology):***

Biology 210, 215, 216, 337, and seven hours elective in advanced biology .....	21
Chemistry 111, 112, and 225 .....	12
Physics 131, 132, and four hours elective in advanced physics .....	12
Geology 100 .....	3
Education 100, 210, 211, 472, 375, and 475 .....	19
English 101, 102, 201, and 202 .....	12
Freshman Orientation .....	1
Physical Education 104, 285, and two hours in activity courses .....	6

**Core Curriculum**

Mathematics 141, 151, 152, and 353 .....	10
Social Science, including History 400 .....	12
Third field .....	6
Elective .....	14

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Minimum for the degree .....128

***For a Major:***

Biology 210, 215, 216, 337, 471, and 474 .....	18
Elective in advanced biology approved by the department .....	9
Minimum for a Major .....	27

*For a Minor:*

Biology 210, 215, 216, and 337 .....	14
Elective in advanced biology approved by the department .....	6
Minimum for a Minor .....	20

## SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid in meeting all requirements for graduation.

Provisional High School Certificate with an Area of Concentration  
in Science (Emphasis on Biology)

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Biol. 210—General Zoology	4	Math. 152—College Algebra	2
Math. 151—College Algebra	2	Chem. 112—General Chemistry	4
Chem. 111—General Chemistry	4	Math. 141—Plane Trigonometry	3
P. E. 104—Personal Hygiene	2	Social Science	3
	<hr/> 16½		<hr/> 16½

## SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
P. E.—Activity Course	$\frac{1}{2}$	P. E.—Activity Course	$\frac{1}{2}$
Biol. 215—General Botany	3	Biol. 216—General Botany	3
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Geol. 100—General Geology	3	Math. 271—Analytic Geometry	3
Chem. 225—Organic Chemistry	4	Social Science	3
	<hr/> 16½	P. E. 285—Community Recreation	2
			<hr/> 17½

## JUNIOR YEAR

First Semester		Second Semester	
Math. 361—Differential Calculus	4	Ed. 472—Fund. of Secondary Education	4
Phys. 131—Elementary Physics	4	Phys. 132—Elementary Physics	4
Biol. 337—Comparative Anatomy	3	Advanced Social Science	3
Advanced Biology	4	Advanced Biology	4
	<hr/> 15		<hr/> 15

## SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Advanced Physics	3	Hist. 400—American Foundations	3
Core Curriculum	3	Core Curriculum	3
Advanced Elective	5	Advanced Elective	6
	<hr/> 15		<hr/> 16

## Pre-Medical and Pre-Dental

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys.		P. E. 100b—Orientation in Phys.	
Ed.	$\frac{1}{2}$	Ed.	$\frac{1}{2}$
Freshman Orientation	1	Math. 152—College Algebra	2
Math. 151—College Algebra	2	Chem. 112—General Chemistry	4
Chem. 111—General Chemistry	4	Hist. 132—History of Civilization	3
Hist. 131—History of Civilization	3	Ed. 153—General Psychology	3
P. E. 104—Personal Hygiene	2	Chem. 114—Qualitative Analysis	1
Chem. 113—Qualitative Analysis	1		
	<hr/>		<hr/>
	16 $\frac{1}{2}$		16 $\frac{1}{2}$

## SOPHOMORE YEAR

First Semester		Second Semester	
P. E. —Activity Course	$\frac{1}{2}$	P. E. —Activity Course	$\frac{1}{2}$
Biol. 210—General Zoology	4	Biol. 213—Comparative Anatomy	4
Phys. 131—Elementary Physics	4	Phys. 132—Elementary Physics	4
Foreign Language	3	Foreign Language	3
Soc. 201—Introductory Sociology	3	Mathematics	3
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
	<hr/>		<hr/>
	17 $\frac{1}{2}$		17 $\frac{1}{2}$

## JUNIOR YEAR

First Semester		Second Semester	
Biol. 317—Bacteriology	4	Biol. 433—Embryology	4
Chem. 225—Organic Chemistry		Chem. 332—Organic Chemistry	
or	4-5	or	5
Chem. 331—Organic Chemistry		Elective	
Foreign Language	3	Foreign Language	3
Ec. 201—Principles of Economics	4	Hist. 400—American Foundations	3
	<hr/>	Elective	2
	15-16		17

The requirements for entrance to most medical and dental schools are highly similar, varying in minor details, but most schools give preference to applicants who have taken a broad program and completed four years of work.

The program of studies for the fourth year should be determined by the special needs of the student and requirements of the particular medical or dental school he expects to enter.

## Pre-Veterinary Medicine

The State of Kentucky is a participating member in the Southern Regional Plan for training veterinarians, and arrangements have been made for the Alabama Polytechnic Institute at Auburn, Alabama, to accept ten students in veterinary medicine each year. Selection of these students is made by a state committee and to be considered for appointment the student must have attained a point standing of 2.25 (C plus) in a two-year program of pre-veterinary training. Students receiving these appointments are admitted to Alabama Polytechnic Institute on the same basis as residents of Alabama.

Students wishing to be considered for these appointments should enroll for the following program. If admission to the program sponsored by the Southern Regional Education Board is not

secured at the end of two years, the credits earned may be applied on a degree at Morehead.

## FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100b—Orientation in Phys. Ed.	1½	P. E. 100b—Orientation in Phys. Ed.	1½
Freshman Orientation	1	Math. 152—College Algebra	2½
Math. 151—College Algebra	2	Biol. 337—Comparative Anatomy	4
Math. 141—Trigonometry	3	Chem. 112—General Chemistry	4
Biol. 210—General Zoology	4	Agr. 237—Poultry	3
Chem. 111—General Chemistry	4		
	17½		16½

## SOPHOMORE YEAR

First Semester		Second Semester	
P. E.—Activity course	½	P. E.—Activity course	½
Chem. 331—Organic Chemistry	5	Chem. 332—Organic Chemistry	5
Phys. 131—Elementary Physics	4	Phys. 132—Elementary Physics	4
Biol. 215—General Botany	3	Biol. 317—Bacteriology	4
Agr. 133—Farm Livestock Production	3	or 338—Vertebrate Embryology	4
P. S. 241—Government of the U.S.	3	Agr. 415—Animal Nutrition	3
	18½		16½

Note: An additional requirement in this program—Medical Vocabulary, three hours—should be taken by correspondence during the summer.

## DESCRIPTION OF COURSES

**Biology 206. Biological Etymology. One hour.**

Derivation of biological terms, particularly from Greek and Latin. Especially recommended for biology majors and pre-medical and pre-dental students. One lecture-discussion period per week.

**~~Biology 210. General Zoology. Four hours.~~**

Prerequisite: High school biology or Science 101. Not open to students who have had Science 102.

Introduction to the classes and phyla of vertebrate and invertebrate animals; structure, function, development and life history, adaptations, and heredity of animal types. The major portion of the laboratory work will consist of dissecting the frog. Two lecture-discussion and two two-hour laboratory periods per week.

**~~Biology 215. General Botany. Three hours.~~**

Not open to students who have credit for science 101.

Plant behavior and growth; structure and physiology of roots, stems, leaves, flowers, and fruits. Two lecture-discussion and two laboratory hours per week.

**~~Biology 216. General Botany. Three hours.~~**

General survey of the plant kingdom; development, reproduction, and relationships of the Thallophytes, Bryophytes, Pteridophytes, and Spermatophytes. One lecture-discussion and four laboratory hours per week.

**Biology 304. Genetics. Three hours.**

History of genetics; gamete formation; segregation and recombination of factors; dominant, complementary, supplementary, inhibitory, sex-linked, sex-limited factors; linkage and cross-over; and biometric methods. Implications of genetics for eugenics and eugenics. One lecture-discussion and four laboratory hours per week.

**Biology 306. Anatomy and Physiology. Four hours.**

The anatomy and physiology of the major body systems. Three lecture-discussion periods and two laboratory hours per week.

**Biology 311. Eugenics. Three hours.**

Differences among men; inheritance of human differences; natural selection; need for negative eugenics; eugenic aspects of marriage and divorce legislation; wars; religion; race amalgamation; eugenic measures. Three lecture-discussion hours per week.

~~**Biology 313. Economic Botany. Three hours.**~~

Prerequisite: Biology 215.

Industrial plants and plant products; drug plants and drugs; food plants and food adjuncts such as spices and other flavoring material; beverage plants and beverages. Two lecture-discussion and two laboratory-demonstration hours per week.

**Biology 316. Dendrology. Two hours.**

Prerequisite: Biology 215.

Types and arrangement of flowers, buds, leaves, and leaf scars; identification of trees and shrubs; texture of wood and its economic importance; landscaping. One lecture-discussion and two laboratory hours per week.

**Biology 317. Bacteriology. Four hours.**

Methods of identification and classification of bacteria; morphology and distribution of microorganisms; cultivation, observation, methods of examination, and physiology of microorganisms; fermentation and decay; health. Two lecture-discussion and four laboratory hours per week.

~~**Biology 318. Spring Flora. Three hours.**~~

Prerequisite: Biology 215.

Types of flowers; structure and arrangement of flower parts; construction of keys; law of nomenclature; classes, orders, and families of flowering plants. One lecture-discussion and four laboratory hours per week.

Note.—Students enrolling for Biology 318 who already have credit for Biology 319 will be expected to do additional collecting and classifying—this additional work to be in excess of the regular course requirements.



**Biology 319. Summer Flora. Three hours.**

Prerequisite: Biology 215.

Similar to Biology 318 but dealing with summer flowering plants of eastern Kentucky. One lecture-discussion and four laboratory hours per week.

Note.—Students enrolling for Biology 319 who already have credit for Biology 318 will be expected to do additional collecting and classifying—this additional work to be in excess of the regular course requirements.

**Biology 332. Human Physiology. Four hours.**

Protoplasmic organization; structure; circulation and function of blood; respiration; excretion; digestion; metabolism and nutrition; endocrine system; nervous system; special senses; reproduction. Three lecture-discussion and two laboratory hours per week.

**Biology 333. Ornithology. Three hours.**

Prerequisite: None.

Classification and identification of birds; life histories; feeding habits; nesting habits; theories of migration; and economic importance. One lecture-discussion and four laboratory hours per week.

**Biology 334. Entomology. Three hours.**

Prerequisite: Science 102 or Biology 210.

General structure of insects, life histories, common orders, and families; economic importance and common methods of control. Two lecture-discussion and two laboratory hours per week.

**Biology 336. Human Anatomy. Three hours.**

Prerequisite: Science 102 or Biology 210.

Special emphasis is placed on internal anatomy; circulation; and muscular, skeletal, nervous and reproductive systems. Three lecture-discussion hours per week.

**Biology 337. Comparative Anatomy. Four hours.**

Prerequisite: Science 102 or Biology 210.

Comparative studies of the various organs and systems of vertebrate animals with particular emphasis on the dogfish shark and cat. Two lecture-discussion and four laboratory hours per week.

**Biology 338. Vertebrate Embryology. Four hours.**

Prerequisite: Science 102 or Biology 210.

Gamete formation; fertilization; cleavage, gastrulation; development of the nervous, digestive, excretory, circulatory, and respiratory systems; formation of the extra-embryonic membrane. Two lecture-discussion and four laboratory hours per week.

**Biology 413. Plant Physiology. Three hours.**

Prerequisite: Biology 215.

Topics: Osmosis; plasmolysis; photosynthesis; respiration; transpiration; fertilizers; soil elements and their uses; atmospheric elements and their functions; dormancy, etc. One lecture-discussion and four laboratory hours per week.

**Biology 414. Plant Diseases. Three hours.**

Prerequisites: Biology 215 and 216.

Significance of plant diseases; classification of fungi; diseases caused by rusts, smuts, fleshy fungi, bacteria, and viruses; physiogenic diseases; principles and procedure in the control of plant diseases; resistant varieties and cultural control. One lecture-discussion and four laboratory hours per week.

**Biology 420. Histology. Four hours.**

Prerequisite: Fifteen hours in biological science.

Characteristics of tissues and organs of mammals; organology; methods of killing, fixing, embedding, sectioning, mounting, and straining tissues for permanent study. Two lecture-discussion and four laboratory hours per week.

**Biology 433. Field Vertebrate Zoology. Three hours.**

Prerequisite: Science 102 or Biology 210.

Methods of classifying the animals; laws of nomenclature; use of keys; identification, habitats, and economic importance of the vertebrates of eastern Kentucky. One lecture-discussion and four laboratory hours per week.

**Biology 461. Ecology. Four hours.**

Prerequisites: Biology 210, 215, and 216.

Effects of soil, water, humidity, light, plant and animal population, succession studies, climax population, competition, and interdependence of biotic forms. Two lecture-discussion and four laboratory hours per week. Numerous field trips are required.

**Biology 463. Principles of Biology. Three hours.**

Especially recommended for biology majors and for teachers of biology.

Survey of morphology, physiology, taxonomy, ecology, and evolution. Designed to correlate knowledge of the different aspects of biology and to erase deficiencies in the individual's biological background and better fit him for teaching high school biology. Three lecture-discussion periods per week. Laboratory projects will be assigned according to individual needs.

**Biology 471. Seminar. One hour per semester.**

Prerequisites: Eighteen hours in biology and at least junior standing.

Selected topics of current importance in biological research.  
One lecture-discussion period per week.

**Biology 474. Biological Techniques. Two hours.**

Prerequisite: Fifteen hours in biology.

Collecting, preserving, and caring for biological materials; rearing and culturing of a variety of animals and plants used under laboratory and experimental conditions; materials and apparatus needed and the construction and maintenance of equipment in the biology laboratory; basic principles and designs used in the experimental approach to the study of biology. Two lecture-discussion periods per week.

**Biology 476. Special Problems. One to three hours.**

Prerequisite: At least twenty hours in biology.

Designed to give the student an opportunity to do advanced work as a continuation of an earlier course and to introduce the student to individual research. The topic will be selected at the time of registration. The time will vary with the problem.

**Biology 500. Research Problems in Biology. One to three hours.**

Prerequisite: Open only to qualified graduate students.

The student is required to carry on individual research in biology. The problem, or problems to be investigated will be selected after enrollment.

## CHEMISTRY

### OBJECTIVES:

1. To contribute to the general cultural background of students.
2. To prepare teachers of chemistry for the secondary school.
3. To provide the basic courses for students in agriculture, home economics, and other fields in which the fundamentals of chemistry are needed.
4. To meet the needs of students desiring to enter such professional fields as medicine, dentistry, engineering, and chemistry.

### REQUIREMENTS:

*For an Area of Concentration in Science (Emphasis on Chemistry):*

Sem. Hrs.

Chemistry 111, 112, 113, 114, 331, and 332 .....	20
Biology 210, 215, 216, and 337 .....	14
Physics 131, 132, and six hours of advanced physics .....	14
Geology 100 .....	3
Freshman Orientation .....	1
English 101, 102, 201, 202 .....	12
Education 100, 210, 211, 472, 375, 475 .....	19
Physical Education 104, 285, and two hours in activity courses .....	6

## Core Curriculum

Mathematics 141, 151, 271, and 361 .....	14
Social Science including History 400 .....	12
Third field .....	6
Elective .....	7
Minimum for the degree .....	128

## For a Major:

- A. For students who wish to qualify as teachers of chemistry in the secondary school but who do not expect to do graduate work in the field:  
 Chemistry 111, 112, 113, 114, 222, 223, 331, 332, and 471 ..... 30
- B. For students who expect to do graduate work in chemistry or to qualify as professional chemists:  
 Chemistry 111, 112, 113, 114, 222, 223, 331, 332, 441, 442, and 471 ..... 38

## For a Minor:

Chemistry 111, 112, 113, 114, 222, 223, and 225.....	22
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## SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid in meeting the requirements for graduation.

**Provisional High School Certificate with an Area in Science**  
 (Emphasis on Chemistry)

FRESHMAN YEAR			
First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Freshman Orientation	1	Ed. 100—Orientation in Education	1
Chem. 111—General Chemistry	4	Chem. 112—General Chemistry	4
Chem. 113—Qualitative Analysis	4	Chem. 114—Qualitative Analysis	1
Math. 151—College Algebra	3	Math. 152—College Algebra	2
Geol. 100—General Geology	3	Math. 141—Plane Trigonometry	3
		P. E. 104—Personal Hygiene	2
	15½		16½
SOPHOMORE YEAR			
First Semester		Second Semester	
Eng. 201—Int. to Literature	3	Eng. 202—Int. to Literature	3
P. E.—Activity Course	$\frac{1}{2}$	P. E.—Activity Course	$\frac{1}{2}$
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
Phys. 131—Elementary Physics	4	Phys. 132—Elementary Physics	4
Biol. 215—General Botany	3	Biol. 216—General Botany	3
Social Science	3	Math. 271—Analytic Geometry	3
	16½		16½

## JUNIOR YEAR

First Semester		Second Semester	
Biol. 210—General Zoology	4	Ed. 472—Fund. of	
Chem. 331—Organic Chemistry	5	Secondary Education	4
Math. 361—Differential Calculus	4	Chem. 332—Organic Chemistry	5
Social Science	3	Advanced Social Science	3
		Advanced Physics	3
		P. E. 285—Community Recreation	2
	16		17

## SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Biol. 337—Comparative Anatomy	4	Core Curriculum	3
Hist. 400—American Foundations	3	Advanced Physics	3
Core Curriculum	3	Advanced Elective	4
Advanced Elective	2		
	16		14

## DESCRIPTION OF COURSES

**Chemistry 111. General Chemistry. Four hours.**

The relation of chemistry to physics and derived sciences, atomic theory; non-metals, oxygen, hydrogen, etc.; periodic arrangement of elements; introduction to atomic chemistry. Two lecture-discussion and four laboratory hours per week.

**Chemistry 112. General Chemistry (continued). Four hours.**

Prerequisite: Chemistry 111, Mathematics 151 desired.

Continuation of the study of non-metals; introduction of various fields of chemistry, colloids, organic, electro-chemistry, metallurgy, etc.; introduction to the mathematics of chemical equilibrium and ionization. The laboratory work will include an introduction to qualitative chemistry. Two lecture-discussion and four laboratory hours per week.

**Chemistry 113. Problems in General Chemistry. One hour.**

This course is to be taken concurrently with Chemistry 111 by chemistry majors and by others who need additional laboratory work to meet their requirements. Problems and elementary chemical analysis of anions. Two laboratory hours per week.

**Chemistry 114. Qualitative Analysis. One hour.**

This course is to be taken concurrently with Chemistry 112 by chemistry majors and by others who need additional laboratory work to meet their requirements. A continuation of Chemistry 113. Two laboratory hours per week.

**Chemistry 222. Qualitative Analysis. Four hours.**

Prerequisites: Chemistry 112, Mathematics 152, and ability to use a slide rule.

Principles and practices of anion and cation analysis. One lecture-discussion and six laboratory hours per week.

**Chemistry 223. Quantitative Analysis. Four hours.**

Prerequisite: Chemistry 222 or permission of the instructor.

Principles and practices of volumetric analysis including electrometric titrations. One lecture-discussion and six laboratory hours per week.

**Chemistry 225. Organic Chemistry. Four hours. (Credit for this course will not be accepted on a major in chemistry.)**

Prerequisite: Chemistry 112.

A brief course in organic chemistry to meet the requirements of students in agriculture, home economics, veterinary medicine, pre-dentistry, and pre-medicine, giving these students a working command of the language of organic chemistry. Hydrocarbons, alcohols, ethers; carbohydrates, amines, drugs, etc. Two lecture-discussion and four laboratory hours per week.

**Chemistry 331. Organic Chemistry. Five hours. (For chemistry majors and pre-medical students with a chemistry major).**

Prerequisites: Chemistry 222 and 223.

Aliphatic compounds; alcohols, ethers, aldehydes, ketones, chain hydrocarbons, carbohydrates, fats, proteins. Three lecture-discussion and four laboratory hours per week.

**Chemistry 332. Organic Chemistry. Five hours.**

Prerequisite: Chemistry 331.

Aromatic compounds; naphthenes; vitamins; dyes; biochemistry. Three lecture-discussion and four laboratory hours per week.

**Chemistry 340. Introductory Chemistry of Foods. Three hours.**

Prerequisite: Chemistry 225.

Foods—their nature, variety and functions; misconceptions concerning and abuses of food; identification of classes; effects of processing; digestion or spoilage; adulteration; extractive procedures; methods of identifying and estimating content; determining mineral content; criticism of food quackery and advertising. Two lecture-discussion and four laboratory hours per week.

**Chemistry 410. Instrumental Analysis. Three hours.**

Prerequisite: Chemistry 223.

The use of colorimetric, spectrophotometric, and electrometric methods of chemical analysis. One lecture-discussion and four laboratory hours per week.

**Chemistry 441. Physical Chemistry. Four hours.**

Prerequisites: Chemistry 223, and 332; Mathematics 141, 152, and credit or registration for 361; Physics 132.

Laws governing gases, liquids, and solids; relation between physical properties and molecular constitution; the laws of thermo-



dynamics; properties of solutions; colloids; thermo-chemistry, and equilibrium and its varieties. Two lecture-discussion and four laboratory hours per week.

**Chemistry 442. Physical Chemistry. (continued). Four hours.**

Prerequisites: Chemistry 441; credit or registration for Mathematics 362.

Chemical kinetics; electrical studies; quantum theory and photo-chemistry; nuclear chemistry. Two lecture-discussion and four laboratory hours per week.

**Chemistry 451. Physiological Chemistry. Three hours.**

Prerequisite: Chemistry 332.

Qualitative and quantitative analysis of food; production of digestion enzymes; blood and urine constituents.

**Chemistry 471. Seminar. One hour each semester.**

This seminar is designed to give the student an opportunity to become familiar with the literature in chemistry, to work with indices and bibliographies in special fields, to give the student an introduction to research, and to bring together certain phases of chemistry.

This course is required of all chemistry majors and minors during their senior year. One hour per week.

**Chemistry 476. Special Problems. One to three hours.**

Prerequisite: At least twenty hours in chemistry.

To give the student an opportunity to do advanced work as a continuation of an earlier course and to introduce the student to individual research. The topic will be selected at the time of registration. The time will vary with the problem.

**Chemistry 576. Special Problems. One to three hours.**

Open to graduate students who have twenty-eight hours of credit in chemistry.

The problem and credit hours will be agreed upon at the time of registration.

## MATHEMATICS

### OBJECTIVES:

1. To meet the needs of students who expect to enter the fields of engineering, physics, chemistry and other professions which require the constant use of the various branches of mathematics.
2. To prepare competent teachers of mathematics for the secondary school.
3. To contribute to the general cultural background of students.

## REQUIREMENTS:

<i>For a Major:</i>	Sem. Hrs.
Mathematics 141, 151, 152, 271, 361, and 362 .....	18
Elective in mathematics courses above 300 as approved by the department .....	9
Total for a Major .....	27

Note.—Students who expect to do graduate work in mathematics should take at least 12 hours in the 300 and 400 courses.

*For a Minor:*

Mathematics 141, 151, 152, 271, and 361 .....	14
Other courses in mathematics prescribed by the department .....	6
Total for a Minor .....	20

## DESCRIPTION OF COURSES

**Mathematics 101. Business Arithmetic. Three hours.**

(Credit in this course will not be accepted on the mathematics requirements for a degree or for a major or minor in mathematics.)

Fundamental processes; common fractions; decimal fractions; pay rolls; aliquot parts; percentage; interest; trade and cash discounts; profit and loss; market price; commission and brokerage; partial payments; installment buying; graphs; depreciation; insurance; stocks and bonds; taxes.

**Mathematics 102. Solid Geometry. Three hours.**

(Credit in this course will not be accepted on the requirements for a major or minor in mathematics.)

The fundamental propositions, problems and exercises of solid geometry. This course is designed for pre-engineering students and those who plan to teach mathematics who have not had solid geometry in high school.

**Mathematics 111. Slide Rule. One hour.**

(Credit in this course will not be accepted on the mathematics requirements for a degree or for a major or minor in mathematics.)

Prerequisite: Permission of the instructor.

Multiplication; division; powers and roots; trigonometric functions; ratio and proportion; solution of triangles; applications to physics and chemistry.

**Mathematics 131. General Mathematics. Three hours.**

(Credit in this course will not be accepted on major or minor requirements in mathematics or science.)

History of mathematics; role of mathematics; important mathematical concepts; number scales; elementary logic; common and decimal fractions; percentage; life insurance; interest; bonds; ratio and proportion.

**Mathematics 132. General Mathematics. Three hours.**

(Credit in this course will not be accepted on major or minor requirements in mathematics or science.)

Factoring; special products; graphs; linear and quadratic equations; logarithms; trigonometric functions; right and oblique triangles; introduction to calculus, probability and statistics.

**Mathematics 141. Plane Trigonometry. Three hours.**

Prerequisites: One unit each of high school algebra and plane geometry. This course may be taken before, after, or simultaneously with College Algebra.

Trigonometric functions; right triangles; law of sines; law of cosines; trigonometric equations and identities; radian measure; inverse functions; logarithms; and oblique triangles.

**Mathematics 142. Spherical Trigonometry. Two hours.**

Prerequisite: Mathematics 141.

Napier's rules; laws of quadrants for right spherical triangles; polar triangles; quadrantal triangles; oblique spherical triangles; applications to problems in navigation; and spherical coordinates.

**Mathematics 151. College Algebra. Two hours.**

Prerequisites: One unit each of high school algebra and plane geometry. This course may be taken before, after, or simultaneously with Plane Trigonometry.

Factoring; exponents; roots; fractions; binomial theorem; functional notations; graphs; linear equations; fractional equations; systems of linear equations; ratio and proportion; and logarithms.

**Mathematics 152. College Algebra. Two hours.**

Prerequisite: Mathematics 151 or permission of the instructor.

Quadratic equations; simultaneous quadratic equations; complex numbers; inequalities; progressions; permutations and combinations; probabilities; partial fractions; introduction to determinants and theory of equations.

**Mathematics 252. Mathematics of Finance. Three hours.**

Prerequisite: Mathematics 152.

Interest; annuities, amortizations; sinking funds; bonds; depreciation; building and loan; life insurance; related topics.

**Mathematics 271. Analytic Geometry. Three hours.**

Prerequisites: Mathematics 141, 151 and 152; or Mathematics 141, 151 and registration for Mathematics 152; or Mathematics 151, 152 and registration for Mathematics 141.

Cartesian coordinates; curve as a locus; straight lines; circles; conic sections; transformations of coordinates; parametric equations; properties of curves and surfaces in geometry of three dimensions.

**Mathematics 341. Theory of Equations. Three hours.**

Prerequisite: Mathematics 271.

Simultaneous linear equations; binomial equations; properties of polynomials; theorems on roots; transformations; solutions of cubic and quartic equations; bounds for roots; separation of roots; solutions of numerical equations; determinants.

**Mathematics 353. Statistics. Three hours.**

Prerequisite: Permission of the instructor.

Tabulation and graphical presentation of statistical data; interpretations of statistical results; averages; dispersions; index numbers; simple correlations.

**Mathematics 361. Differential Calculus. Four hours.**

Prerequisite: Mathematics 271.

The derivative; maxima and minima; rates; simple integration; areas; curvature; approximate formulas.

**Mathematics 362. Integral Calculus. Four hours.**

Prerequisite: Mathematics 361.

Integration; definite integrals; areas; surfaces; volumes; applications to physical problems; infinite series; partial differentiation; double integrals; triple integrals.

**Mathematics 372. College Geometry. Three hours.**

Prerequisite: Mathematics 271.

Geometric loci; similar and homothetic figures; Ceva's theorem; Menelaus' theorem; coaxial circles; inversion; poles and polars; cross ratio; involution.

**Mathematics 381. Series. Three hours.**

Prerequisite: Mathematics 362.

Aggregates; limits and bounds; tests for convergence and divergence; operations with series.

**Mathematics 461. Advanced Calculus. Three hours.**

Prerequisite: Mathematics 362.

Continuity; derivatives and differentials; series; partial differentiation; implicit functions; line integrals; surface integrals; space integrals.

**Mathematics 462. Differential Equations. Three hours.**

Prerequisite: Mathematics 362.

Methods for the solution of differential equations of first order; applications to physical problems; singular solutions; linear equations; integration in series, and total differential equations.

**Mathematics 471. Synthetic Projective Geometry. Three hours.**

Prerequisite: Mathematics 271.

Primitive forms; principle of duality; perspectivity; harmonic ranges and pencils; projectively related primitive forms; Pascal's theorem; Brianchon's theorem; poles; diameters; ruled surfaces; involution.

**Mathematics 483. (Also Physics 483). Theoretical Mechanics: Statics. Three hours.**

Prerequisites: Physics 232 and Mathematics 362.

Vectors, equilibrium, frames, virtual work, inertia, friction, elasticity, and applications.

**Mathematics 484. (Also Physics 484.) Theoretical Mechanics: Dynamics. Three hours.**

Prerequisite: Mathematics 483.

Kinematics, energy, motion, impulse, and collisions.

**Mathematics 485. Vector Analysis. Three hours.**

Prerequisite: Mathematics 362.

Addition, subtraction and multiplication of vectors; differentiation and integration of vectors; kinematics and dynamics of a particle; kinematics and dynamics of a rigid body.

## PHYSICS

### OBJECTIVES:

1. The course in Physical Science, Science 103-4, is intended to develop familiarity with the general ideas of the physical sciences and to build up a working vocabulary so that students can read literature dealing with the problems of physics, geology, chemistry, and astronomy.
2. The course in Elementary Physics, Physics 131-32, is planned for the student who does not intend to major in physics but desires a more thorough knowledge of the subject than he could obtain from Science 103-4. It is also intended to meet the needs of those who are preparing for such professions as dentistry and medicine.
3. The course in General College Physics, Physics 231-32, is intended especially for majors in physics and for those who are expecting to enter a college of engineering.

### PREREQUISITES:

High school algebra and geometry furnish the minimum mathematical essentials for Physics 131-32. If the student has not had a high school course in trigonometry, it is recommended that he register for Mathematics 141 at the time of registration for Physics 131.

Physics 231-32 requires not only a working knowledge of Mathematics 141, 151-52, and 271, but also some knowledge of the use of calculus. Students who have not studied calculus should register for Mathematics 361 at the time of registration for Physics 231.

All the other courses in physics require a working knowledge of both differential and integral calculus, and the successful completion of either Physics 131-32 or Physics 231-32.

#### REQUIREMENTS:

*For an Area of Concentration in Science (Emphasis on Physics):*  
Sem. Hrs.

Physics 231, 232, 301, and ten hours elective in advanced physics .....	22
Biology 210, 215, 216, and 337 .....	14
Chemistry 111, 112, and 222 .....	12
Geology 100 .....	3
Freshman Orientation .....	1
English 101, 102, 201, and 202 .....	12
Education 100, 210, 211, 472, 375, and 475 .....	19
Physical Education 104, 285, and two hours in activity courses .....	6

#### Core Curriculum

Mathematics 141, 151, 152, 271, and 361 .....	14
Social Science, including History 400 .....	12
Third field .....	6
Elective .....	7

Minimum for the degree .....128

#### *For a Major:*

Physics 231, 232, 331, 332 and 483 .....	19
Elective in physics as approved by the department.....	6
Total for a Major .....	25

Students who are majoring in physics are also required to earn credit in Mathematics 141, 151, 152, 271, 361, and 362 .....

It is also recommended that they earn credit in Mathematics 462 and 485 and Chemistry 111 and 112.

#### *For a Minor:*

Physics 231 and 232 .....	10
Elective in physics as approved by the department .....	8
Total for a Minor .....	18

Students who are minoring in physics are also required to earn credit in Mathematics 141, 151, 152, 171, and 361 .....



### Provisional High School Certificate with an Area of Concentration in Science (Emphasis on Physics)

#### FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Freshman Orientation	1		
Math. 141—Plane Trigonometry	3	Ed. 100—Orientation in Ed.	1
Math. 151—College Algebra	2	Math. 152—College Algebra	2
Chem. 111—General Chemistry	4	Math. 272—Analytic Geometry	3
Geol. 100—General Geology	3	Chem. 112—General Chemistry	4
		Social Science	3
<hr/>		<hr/>	
16 $\frac{1}{2}$		16 $\frac{1}{2}$	

#### SOPHOMORE YEAR

First Semester		Second Semester	
Biol. 215—General Botany	3	Biol. 216—General Botany	3
P. E.—Activity Course	$\frac{1}{2}$	P. E.—Activity Course	$\frac{1}{2}$
Math. 361—Differential Calculus	4	Social Science	3
Phys. 231—General College Physics	5	Phys. 232—General College Physics	5
Ed. 210—Human Growth and Development I	3	Ed. 211—Human Growth and Development II	3
P. E. 104—Personal Hygiene	2	P. E. 235—Community Recreation	2
<hr/>		<hr/>	
17 $\frac{1}{2}$		16 $\frac{1}{2}$	

#### JUNIOR YEAR

First Semester		Second Semester	
Eng. 201—Introduction to Literature	3	Eng. 202—Int. to Literature	3
Biol. 210—General Zoology	4	Ed. 472—Fund. of Secondary Education	4
Chem. 222—Quantitative Analysis	4	Advanced Physics	3
Core Curriculum	3	Advanced Social Science	3
Advanced Physics	3	Core Curriculum	3
<hr/>		<hr/>	
17		16	

#### SENIOR YEAR

First Semester		Second Semester	
Ed. 375—Student Teaching	4	Ed. 475—Student Teaching	4
Biol. 337—Comparative Anatomy	4	Hist. 400—American Foundations	3
Advanced Physics	3	Advanced Physics	4
Advanced Elective	4	Advanced Elective	2
<hr/>		<hr/>	
15		13	

### SUGGESTED TWO-YEAR PRE-ENGINEERING CURRICULUM

#### FIRST YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P. E. 100a—Orientation in Phys. Ed.	$\frac{1}{2}$	P. E. 100b—Orientation in Phys. Ed.	$\frac{1}{2}$
Math. 141—Plane Trigonometry	3	Math. 152—College Algebra	2
Math. 151—College Algebra	2	Math. 271—Analytic Geometry	3
Chem. 111—General Chemistry	4	Chem. 112—General Chemistry	4
I. A. 103—Elem. Mech. Drawing	3	I. A. 203—Adv. Mech. Drawing	3
Elective	1-2	Elective	1-2
<hr/>		<hr/>	
16 $\frac{1}{2}$ –17 $\frac{1}{2}$		16 $\frac{1}{2}$ –17 $\frac{1}{2}$	

#### SECOND YEAR

First Semester		Second Semester	
Ed. 210—Human Growth and Development I	3	P. E. Activity course	$\frac{1}{2}$
P. E.—Activity Course	$\frac{1}{2}$	Math. 362—Integral Calculus	4
Math. 361—Differential Calculus	4	Phys. 232—Gen. College Physics	5
Phys. 231—Gen. College Physics	5	Elective	7
Elective	3		
<hr/>		<hr/>	
15 $\frac{1}{2}$		16 $\frac{1}{2}$	

Note: The elective courses should be selected in the light of the requirements at the particular engineering school the student intends to enter. In the case of the University of Kentucky, for example, these electives should be in the fields of the social studies or foreign languages, depending upon the field of engineering in which the advanced work is to be taken.

Solid Geometry is a prerequisite to entrance to engineering schools. Those students who have not been able to get a course in solid geometry in high school should complete that work before the beginning of their first year in pre-engineering. Such a course will be offered during the summer session or may be taken by correspondence.

### DESCRIPTION OF COURSES

#### **Physics 131. Elementary Physics. Four hours.**

Prerequisites: High school algebra and plane geometry. Credit or registration in Mathematics 141 is advised.

Mechanics and heat. Three hours per week devoted to classroom discussion of reading and problem assignments and two hours per week devoted to mechanics and heat laboratory measurements.

#### **Physics 132. Elementary Physics. Four hours.**

Continuation of Physics 131. Electricity and magnetism, sound and light.

#### **Physics 231. General College Physics. Five hours.**

Prerequisites: Mathematics 141, 151, 152, 271 and a working knowledge of differential and integral calculus or registration in Mathematics 361.

Mechanics and heat. Four hours per week devoted to classroom discussion of the reading and problem assignments and two hours per week devoted to laboratory measurements.

#### **Physics 232. General College Physics. Five hours.**

Continuation of Physics 231. Electrostatics; electrodynamics; acoustics; optics; electromagnetic radiations.

#### **Physics 301. Physical Manipulations. Two hours.**

The course consists of shop work, including the construction of special pieces of apparatus for the laboratory and classroom.

#### **Physics 311. Heat and Thermodynamics. Three hours.**

Prerequisites: Physics 131 or 231 and a working knowledge of calculus.

Fundamental principles of heat phenomena; laws of thermodynamics; equations of state for gases; changes of state; thermodynamic relations and their applications to physics and allied sciences.

#### **Physics 312. Light and Physical Optics. Three hours.**

Prerequisites: Physics 132 or 232 and a working knowledge of calculus.

Basic phenomena of geometric and physical optics including the study of wave motion, interference, refraction, diffraction, polarization, and theory of physical optics.

**Physics 321. Sound and Acoustics. Two hours.**

Prerequisites: Physics 132 or 232.

A study of the basic theories in the field of sound and acoustics with special application to the theory of musical sounds.

**Physics 331. Nuclear Physics. Three hours.**

Prerequisite: Physics 131 and 132 or 231 and 232 and Mathematics 361.

Atomic structure; X-rays; radioactivity; isotopes and nuclear structure; nuclear radiation; nuclear reactions; nuclear fission; chain reaction; radioactive tracers; health physics.

**Physics 332. Electricity and Magnetism. Three hours.**

Prerequisites: Physics 232 and Mathematics 362.

Electrostatics, magnetic and electromagnetic fields; capacitance, dielectrics, electric images; measurement of current, potential and resistance; direct and alternating machines and meters; networks and transformers. Two hours classroom discussion and two hours laboratory per week.

**Physics 341. Introduction to Atomic Physics. Three hours.**

Prerequisites: Physics 131 and 132 or 231 and 232 and Mathematics 361.

Elementary charged particles; electromagnetic radiations; waves and particles; atomic spectra and electron distribution.

**Physics 361. Fundamentals of Electronics. Three hours.**

Prerequisites: Physics 132 or 232 and Mathematics 361.

A study of the characteristics of vacuum tubes, rectifiers, amplifiers, oscillators and gas filled tubes. Lectures, experiments, measurements, and problems.

**Physics 471. Special Problems in Physics. One to three hours.**

Prerequisite: Senior standing.

To provide opportunity for continued study for a single student or a group of students who have developed some special interest during their previous work in the field of physics. Work may be in the nature of reading and reporting on some standard work; the working of problems in mathematical physics; laboratory measurement; experimental or construction work.

**Physics 483. (Also Mathematics 483.) Theoretical Mechanics: Statics. Three hours.**

Prerequisites: Physics 232 and Mathematics 362.

Vectors, equilibrium, frames, virtual work, inertia, friction, elasticity, and applications.

**Physics 484. (Also Mathematics 484.) Theoretical Mechanics: Dynamics. Three hours.**

Prerequisite: Physics 483.

Continuation of Physics 483. Kinematics, energy, motion, impulse, and collisions.

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